

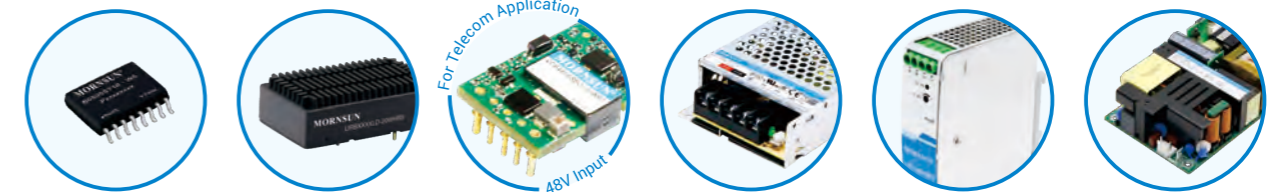
Distributions & Channels

MORNSUN®

One-stop solutions of power supplies



AC/DC Enclosed Switching Power Supply • AC/DC Converter • DC/DC Converter • Transceiver Module
Signal Conditioning Module • IGBT Driver • LED Driver • EMC Auxiliary Device



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Selection Guide 2023

MORNSUN®

MORE THAN RELIABILITY

- Established: 1998
- Factory: 80000+ square meters
- Employees: 4300+
- Patents & IPRs: 1600+
- Business Coverage: Global
- Information Management:
OA & ERP & CRM & EHR & PLM & ISP
- Certifications: ISO9001, OHSAS18001,
ISO14001, IATF16949



Headquarter in Guangzhou



Manufacturing Center in Huaihua



R&D Center in Guangzhou

Markings & Systems



Automatic SMT clean room

Higher Standard Enclosed Power Supply in All Aspects

— 35-350W LM-R2 Series



Dimension 37.7%



Stronger environmental adaptation



Supporting higher transient load



Multiple certifications



Website



AC/DC

Selection Guide

| | | |
|---|--|--|
| ○ Enclosed (15-1000W) | | Compact-size LM-R2 03 |
| | | Economical Single Output LM 03 |
| | | Economical Multiple Outputs LM-A/C/D 04 |
| ○ Enclosed with PFC (75-1500W) | | PFC Function LMF 04 |
| | | Slim & Fanless LMF-UH 04 |
| ○ Open Frame (10-750W) | | Cost-effective Open-frame LO 06 |
| | | High EMC Performance for Electric Power LO-E 08 |
| | | High Power Density for Industry & Medical LOF 04 |
| ○ Economical DIN Rail (15-480W) | | Economical Plastic Case LI-PR2/PR3 05 |
| | | Economical Metal Case LI-R2/R2S 05 |
| | | Economical PFC Function LIF 05 |
| | | 2/3-phase Economical LI/LIF/LIT 05 |
| ○ High Reliability DIN Rail (120-960W) | | High-reliability LIMF 05 |
| | | High-reliability Enhanced LIHF 05 |
| | | 3-phase High-reliability LITF 05 |
| ○ Board Mount (1-90W) | | Cost-effective DIY LS 06 |
| | | DIP High EMC Performance LH-R2 07 |
| | | DIP Compact-size LD 07 |
| | | AC/DC for MEDICAL LD/LH/LO/LOF 08 |
| ○ Ultra-wide Input (5-350W) | | AC/DC for MINING (PVA: 85-900/1500VAC) 09 |
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DC/DC

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AC/DC Enclosed



- Compact size, high power density
- Output short circuit, over-current, over-voltage, over-temperature protections
- OVC III (meet EN62477)
- Withstand 5G vibration test, meet 5000m altitude requirement
- Low standby power consumption (<0.3W), high efficiency (up to 92%)
- LED indicator for power on
- Forced air cooling by built-in DC fan
- Active PFC function is available
- Support conformal coating customization

35-350W Compact-size AC/DC enclosed LM-R2 series

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|---------------|-------|-----------------------|---------------------------|-----------|---------------------|----------|
| LM35-23BxxR2 | 35W | 80-305VAC/100-430VDC | 5, 12, 15, 24, 36, 48, 54 | 4000VAC | 99.00x65.00x30.00 | RoHS |
| LM50-23BxxR2 | 50W | 80-305VAC/100-430VDC | 5, 12, 15, 24, 36, 48, 54 | 4000VAC | 99.00x65.00x30.00 | RoHS |
| LM75-23BxxR2 | 75W | 80-305VAC/120-430VDC | 5, 12, 15, 24, 36, 48, 54 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM100-23BxxR2 | 100W | 80-305VAC/120-430VDC | 5, 12, 15, 24, 36, 48, 54 | 4000VAC | 99.00x97.00x30.00 | RoHS |
| LM150-23BxxR2 | 150W | 80-305VAC/100-430VDC | 12, 15, 24, 36, 48, 54 | 4000VAC | 99.00x97.00x30.00 | RoHS |
| LM200-22BxxR2 | 200W | 176-305VAC/240-430VDC | 12, 15, 24, 36, 48, 54 | 4000VAC | 129.00x97.00x30.00 | RoHS |
| LM350-22BxxR2 | 350W | 176-264VAC/240-370VDC | 12, 15, 24, 36, 48, 54 | 4000VAC | 179.00x106.00x30.00 | RoHS |

15-1000W AC/DC enclosed LM series (Standard single output)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|------------------------------|-------|-----------------------|---------------------------|-----------|---------------------|----------|
| LM15-23B <small>NEW</small> | 15W | 85-305VAC/100-430VDC | 3, 3.3, 5, 12, 15, 24, 48 | 4000VAC | 65.00x55.00x25.00 | RoHS |
| LM25-23B <small>NEW</small> | 25W | 85-305VAC/100-430VDC | 3, 3.3, 5, 12, 15, 24, 48 | 4000VAC | 80.00x55.00x25.00 | RoHS |
| LM35-23B <small>NEW</small> | 35W | 85-305VAC/120-430VDC | 5, 12, 15, 24 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM50-23B <small>NEW</small> | 50W | 85-305VAC/120-430VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM75-23B <small>NEW</small> | 75W | 85-305VAC/120-430VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x97.00x30.00 | RoHS |
| LM100-23B <small>NEW</small> | 100W | 85-305VAC/120-430VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 129.00x97.00x30.00 | RoHS |
| LM150-23B <small>NEW</small> | 150W | 85-305VAC/120-430VDC | 12, 15, 24, 36, 48 | 4000VAC | 159.00x97.00x30.00 | RoHS |
| LM35-20B | 35W | 85-264VAC/120-370VDC | 5, 12, 15, 24 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM50-20B | 50W | 85-264VAC/120-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM75-20B | 75W | 85-264VAC/120-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x97.00x30.00 | RoHS |
| LM100-20B | 100W | 85-264VAC/120-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 129.00x97.00x30.00 | RoHS |
| LM150-20B | 150W | 85-264VAC/120-370VDC | 12, 15, 24, 36, 48 | 4000VAC | 159.00x97.00x30.00 | RoHS |
| LM200-10B | 200W | 90-132VAC/180-264VAC | 5, 12, 15, 24, 36, 48 | 3000VAC | 179.00x99.00x30.00 | RoHS |
| LM350-10B | 350W | 90-132VAC/180-264VAC | 5, 12, 15, 24, 36, 48 | 3000VAC | 215.00x115.00x30.00 | RoHS |
| LM450-20B | 450W | 90-132VAC/180-264VAC | 12, 15, 24, 27, 36, 48 | 4000VAC | 225.00x124.00x35.00 | RoHS |
| LM600-20B | 600W | 90-132VAC/180-264VAC | 12, 15, 24, 27, 36, 48 | 4000VAC | 225.00x124.00x41.00 | RoHS |
| LM1000-20B | 1000W | 90-132VAC/180-264VAC | 12, 15, 24, 36, 48, 54 | 4000VAC | 278.00x127.00x63.50 | RoHS |
| LM35-22B | 35W | 165-264VAC/180-370VDC | 5, 12, 15, 24 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM50-22B | 50W | 165-264VAC/180-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x82.00x30.00 | RoHS |
| LM75-22B | 75W | 165-264VAC/200-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 99.00x97.00x30.00 | RoHS |
| LM100-22B | 100W | 165-264VAC/200-370VDC | 5, 12, 15, 24, 36, 48 | 4000VAC | 129.00x97.00x30.00 | RoHS |
| LM150-22B | 150W | 165-264VAC/180-370VDC | 12, 15, 24, 36, 48 | 4000VAC | 159.00x97.00x30.00 | RoHS |
| LM200-12B | 200W | 176-264VAC/240-370VDC | 5, 12, 15, 24, 36, 48 | 3000VAC | 179.00x99.00x30.00 | RoHS |
| LM350-12B | 350W | 176-264VAC/240-370VDC | 5, 12, 15, 24, 36, 48 | 3000VAC | 215.00x115.00x30.00 | RoHS |
| LM450-12B <small>NEW</small> | 450W | 176-264VAC/240-373VDC | 12, 15, 24, 27, 36, 48 | 3000VAC | 215.00x115.00x40.00 | RoHS |
| LM600-12B <small>NEW</small> | 600W | 176-264VAC/240-370VDC | 12, 15, 24, 27, 36, 48 | 3000VAC | 267.30x106.00x40.00 | RoHS |

Note: Conformal coating(series with suffix "-Q") is acceptable and terminal cover(series with suffix "-C") is optional for LM and LMF series.

AC/DC Enclosed

30-150W AC/DC enclosed LM series (Standard multiple outputs)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|--------------------------------|-------|-----------------------|------------------------------------|-----------|--------------------|----------|
| LM30-00J0512-03E | 30W | 85-264VAC/100-370VDC | 5/±12/24 | 2000VAC | 109.00x58.50x30.00 | RoHS |
| LM35-10A | 35W | 85-264VAC/120-370VDC | +5/+12, +5/+24 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM35-10C | 35W | 85-264VAC/120-370VDC | +5/+12/-12, +5/+15/-15, +5/+24/+12 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM35-10D | 35W | 85-264VAC/120-370VDC | +5/+12, +5/+24 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM50-10A | 50W | 85-264VAC/120-370VDC | +5/+12, +5/+24 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM50-10A12 | 50W | 85-264VAC/120-370VDC | +12/-12 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM50-10C | 50W | 85-264VAC/120-370VDC | +5/+12/-12, +5/+15/-15, +5/+24/+12 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM50-10D | 50W | 85-264VAC/120-370VDC | +5/+12, +5/+24 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM60-10A15 | 60W | 85-264VAC/120-370VDC | +15/-15 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM60-12A15 | 60W | 165-264VAC/180-370VDC | +15/-15 | 3000VAC | 99.00x97.00x30.00 | RoHS |
| LM75-10A | 75W | 90-264VAC/120-370VDC | +5/+12, +5/+24 | 3000VAC | 129.00x97.00x30.00 | RoHS |
| LM75-10C | 75W | 90-264VAC/120-370VDC | +5/+12/-12, +5/+15/-15, +5/+24/+12 | 3000VAC | 129.00x97.00x30.00 | RoHS |
| LM75-10D | 75W | 90-264VAC/120-373VDC | +5/+12, +5/+24 | 3000VAC | 129.00x97.00x30.00 | RoHS |
| LM90-12A15 | 90W | 165-264VAC/180-370VDC | +15/-15 | 3000VAC | 129.00x97.00x30.00 | RoHS |
| LM100-10C <small>NEW</small> | 100W | 90-264VAC/120-370VDC | +5/+12/-12, +5/+15/-15, +5/+24/+12 | 3000VAC | 159.00x97.00x30.00 | RoHS |
| LM100-10D <small>NEW</small> | 100W | 90-264VAC/120-370VDC | +12/+24, +5/+24 | 3000VAC | 159.00x97.00x30.00 | RoHS |
| LM150-12A15 <small>NEW</small> | 150W | 165-264VAC/180-370VDC | +15/-15 | 3000VAC | 159.00x97.00x30.00 | RoHS |
| LM150-12D <small>NEW</small> | 150W | 176-264VAC/250-373VDC | +5/+12 | 3000VAC | 179.00x99.00x30.00 | RoHS |

75-1500W AC/DC enclosed LMF series (With PFC)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|--------------------------------|-------|----------------------|----------------------------|-----------|---------------------|----------|
| LMF75-23B <small>NEW</small> | 75W | 85-305VAC/120-430VDC | 5, 12, 15, 24, 48 | 4000VAC | 159.00x97.00x30.00 | RoHS |
| LMF100-23B | 100W | 85-305VAC/120-430VDC | 12, 15, 24, 48 | 4000VAC | 179.00x99.00x30.00 | RoHS |
| LMF150-23B | 150W | 85-305VAC/120-430VDC | 12, 15, 24, 48 | 4000VAC | 179.00x99.00x30.00 | RoHS |
| LMF200-23B | 200W | 85-305VAC/120-430VDC | 12, 15, 24, 48 | 4000VAC | 179.00x99.00x30.00 | RoHS |
| LMF320-23B | 320W | 85-305VAC/120-430VDC | 5, 12, 15, 24, 27, 48 | 4000VAC | 215.00x115.00x30.00 | RoHS |
| LMF600-20B <small>NEW</small> | 600W | 80-277VAC/110-390VDC | 12, 15, 24, 27, 36, 48, 54 | 4000VAC | 203.10x101.60x40.60 | RoHS |
| LMF1000-20B <small>NEW</small> | 1000W | 90-264VAC/120-370VDC | 12, 15, 24, 27, 36, 48, 54 | 4000VAC | 190.00x127.00x40.50 | RoHS |
| LMF1500-20B <small>NEW</small> | 1500W | 85-264VAC/120-370VDC | 12, 15, 24, 27, 36, 48, 54 | 4000VAC | 250.00x127.00x40.50 | RoHS |

Note: Conformal coating(series with suffix "-Q") is acceptable and terminal cover(series with suffix "-C") is optional for LM and LMF series.

200-750W AC/DC enclosed LMF series (Slim & fanless design)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------|-------|----------------------|-----------------------|-----------|---------------------|----------|
| LMF200-23BxxUH | 200W | 85-305VAC/120-430VDC | 5, 12, 24, 36, 48 | 4000VAC | 194.00x55.00x26.00 | RoHS |
| LMF350-23BxxUH | 350W | 85-305VAC/120-430VDC | 5, 12, 24, 36, 48 | 4000VAC | 220.00x62.00x31.00 | RoHS |
| LMF500-23BxxUH | 500W | 85-305VAC/120-430VDC | 5, 12, 24, 36, 48, 55 | 4000VAC | 232.00x81.00x31.00 | RoHS |
| LMF750-23BxxUH | 750W | 85-305VAC/120-430VDC | 12, 24, 36, 48 | 4000VAC | 237.00x100.00x41.00 | RoHS |

120-750W AC/DC enclosed LOF series (High power density)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|--------------------------------------|-------|----------------------|------------------------------------|-----------|--------------------|----------|
| LOF120-20B(-C) | 120W | 85-264VAC/120-370VDC | 12, 15, 19, 24, 27, 36, 48, 54 | 4000VAC | 76.20x50.80x31.00 | RoHS |
| LOF225-20B(-C) | 225W | 85-264VAC/120-370VDC | 12, 15, 18, 19, 24, 27, 36, 48, 54 | 4000VAC | 101.60x50.80x25.40 | RoHS |
| LOF350-20B(-C) | 350W | 90-264VAC/127-370VDC | 12, 15, 18, 19, 24, 27, 36, 48, 54 | 4000VAC | 127.00x76.20x25.40 | RoHS |
| LOF450-20B(-C/CF) <small>NEW</small> | 450W | 90-264VAC/127-370VDC | 12, 15, 18, 19, 24, 27, 36, 48, 54 | 4000VAC | 127.00x76.20x38.50 | RoHS |
| LOF550-20B(-C/CF) <small>NEW</small> | 550W | 90-264VAC/127-370VDC | 12, 15, 18, 19, 24, 27, 36, 48, 54 | 4000VAC | 127.00x76.20x40.50 | RoHS |
| LOF750-20B <small>NEW</small> | 750W | 90-264VAC/127-370VDC | 12, 15, 24, 27, 36, 48, 54 | 4000VAC | 127.00x76.20x43.00 | RoHS |

Metal case series: with the suffix "-C" (LOFxx-20Bxx-C), auxiliary power supply for external fan; with the suffix "-CF" (LOFxx-20Bxx-CF), auxiliary power supply for build-in fan available.

AC/DC DIN Rail

AC/DC Converter

15-150W LI series (Economical plastic case)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|---------------------------|-------|---|----------------------|-----------|--------------------|----------------------|
| L115-20BxxPR2 NEW | 15W | 85-264VAC (277VAC available) 120-370VDC (390VDC available) | 5,12,15,24,48 | 4000VAC | 17.50x90.00x58.00 | RoHS CE 準格 ㉔ |
| L130-20BxxPR2 | 30W | 85-264VAC/120-370VDC | 5,12,15,24,48 | 4000VAC | 35.00x92.66x58.00 | RoHS ㉔ CE CB 準格 ㉔ |
| L160-20BxxPR2 | 60W | 85-264VAC/120-370VDC | 5,12,15,24,48 | 4000VAC | 52.00x92.66x58.00 | RoHS ㉔ CE CB 準格 ㉔ |
| L1100-20BxxPR2 | 100W | 85-264VAC/120-370VDC | 12,15,24,48 | 4000VAC | 70.00x92.66x58.00 | RoHS ㉔ CE CB 準格 ㉔ |
| L1100-20BxxPR3 NEW | 100W | 85-264VAC/120-370VDC | 12,15,24,48 | 4000VAC | 70.00x92.66x58.00 | RoHS CE 準格 (Pending) |
| L1150-20BxxPR2 NEW | 150W | 85-264VAC (277VAC available) 120-370VDC (390VDC available) | 12,15,24,48 | 4000VAC | 105.00x90.00x55.40 | RoHS CE 準格 ㉔ |

75-120W LI series (Economical metal case)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|--------------------------|-------|----------------------|----------------------|-----------|---------------------|------------------------|
| L175-20BxxR2 | 75W | 90-264VAC/120-370VDC | 12,24,48 | 4000VAC | 30.00x128.00x120.00 | RoHS CE 準格 ㉔ |
| L175-20BxxR2S NEW | 75W | 90-264VAC/120-370VDC | 12,24,48 | 4000VAC | 32.00x125.00x87.50 | RoHS ㉔ CE 準格 ㉔ |
| L175-23BxxR3 NEW | 75W | 85-305VAC/120-430VDC | 12,24,48 | 4000VAC | 32.00x110.00x87.50 | RoHS ㉔ CE 準格 (Pending) |
| L1120-20BxxR2 | 120W | 85-264VAC/120-370VDC | 12,24,48 | 4000VAC | 35.00x125.00x112.70 | RoHS CE 準格 (Pending) |
| L1120-20BxxR2S | 120W | 90-264VAC/127-370VDC | 12,24,48 | 4000VAC | 36.00x125.00x100.00 | RoHS ㉔ CE 準格 (Pending) |
| L1120-23BxxR3 NEW | 120W | 85-305VAC/120-430VDC | 24,48 | 4000VAC | 32.00x125.00x87.50 | RoHS ㉔ CE 準格 (Pending) |

120-480W LIF series (Economical PFC function)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------------------|-------|----------------------|----------------------|-----------|---------------------|-------------------------|
| LIF120-10BxxR2 | 120W | 85-264VAC/120-370VDC | 12,24,48,55 | 3000VAC | 32.00x124.00x110.00 | RoHS ㉔ CE 準格 |
| LIF120-10BxxR2S-EX | 120W | 85-264VAC/120-370VDC | 12,24,48 | 3000VAC | 32.00x124.00x110.00 | RoHS ㉔ CE 準格 ATEX IECEx |
| LIF240-10BxxR2 NEW | 240W | 85-264VAC/120-370VDC | 12,24,48,55 | 3000VAC | 41.00x124.00x110.00 | RoHS ㉔ CE 準格 ㉔ |
| LIF240-10BxxR2S NEW | 240W | 85-264VAC/120-370VDC | 12,24,48 | 3000VAC | 54.00x124.00x110.00 | RoHS ㉔ CE 準格 ㉔ |
| LIF480-10BxxR2 NEW | 480W | 85-264VAC/120-370VDC | 24,48 | 3000VAC | 48.00x125.00x131.50 | RoHS ㉔ CE 準格 ㉔ |

120-480W LIMF series (High-reliability)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|------------------------|-------|----------------------|----------------------|-----------|---------------------|---------------------------|
| LIMF120-23B NEW | 120W | 85-277VAC/120-390VDC | 12,24,48 | 4000VAC | 34.00x124.00x121.00 | RoHS ㉔ CE CB 準格 (Pending) |
| LIMF240-23B | 240W | 85-277VAC/120-390VDC | 12,24,48 | 4000VAC | 48.00x124.00x121.00 | RoHS ㉔ CE CB 準格 (Pending) |
| LIMF480-23B | 480W | 85-277VAC/120-390VDC | 24,48 | 4000VAC | 55.00x124.00x124.00 | RoHS ㉔ CE CB 準格 (Pending) |

240-960W LIHF series (High-reliability enhanced)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|------------------------|-------|----------------------|----------------------|-----------|----------------------|---------------------------|
| LIHF240-23B NEW | 240W | 85-277VAC/120-390VDC | 24,48 | 4000VAC | 50.00x130.00x125.00 | RoHS ㉔ CE CB 準格 (Pending) |
| LIHF480-23B | 480W | 85-277VAC/120-390VDC | 24,48 | 4000VAC | 70.00x130.00x125.00 | RoHS ㉔ CE CB 準格 (Pending) |
| LIHF960-23B | 960W | 85-277VAC/120-390VDC | 24,48 | 4000VAC | 125.00x130.00x133.00 | RoHS ㉔ CE CB 準格 (Pending) |

120-240W LI series (2/3-phase economical)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------------|-------|-----------------------|----------------------|-----------|---------------------|---------------------------|
| LI120-26B NEW | 120W | 180-600VAC/254-848VDC | 12,24,48 | 4000VAC | 41.00x124.00x110.00 | RoHS ㉔ CE 準格 (Pending) |
| LIF240-26B | 240W | 180-550VAC/254-780VDC | 24,48 | 4000VAC | 54.00x124.00x110.00 | RoHS ㉔ CE 準格 (Pending) |
| LIT240-26B | 240W | 320-600VAC/450-850VDC | 24,48 | 4000VAC | 54.00x124.00x110.00 | RoHS ㉔ CE CB 準格 (Pending) |

480-960W LITF series (3-phase high-reliability)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|------------------------|-------|-----------------------|----------------------|-----------|----------------------|---------------------------|
| LITF480-26B NEW | 480W | 320-600VAC/450-800VDC | 24,36,48 | 4000VAC | 80.00x124.00x127.00 | RoHS ㉔ CE CB 準格 (Pending) |
| LITF960-26B | 960W | 320-600VAC/450-800VDC | 24,36,48 | 4000VAC | 110.00x124.00x127.00 | RoHS ㉔ CE CB 準格 (Pending) |



LS Series

- Low power consumption, low ripple & noise
- Ultra-compact size, high power density
- High flexible for the PCB layout
- Isolation voltage up to 4000VAC

Three-phase AC/DC power supply

- Ultra-wide input voltage: 57-528VAC/80-745VDC
- Compact size, high power density
- Isolation voltage up to 4000VAC

1-15W cost-effective DIY type LS series

| SIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-------------|-------------------------|-------|----------------------|----------------------------------|-----------|-------------------|-----------------|
| | LS03-15A12SR2S | 2.4W | 85-264VAC/100-370VDC | ±12 | 3000VAC | 35.00x21.00x13.00 | RoHS |
| | LS03-13BxxR3 NEW | 3W | 85-305VAC/70-430VDC | 3.3,5.9,12,15,24 | 3000VAC | 26.40x12.58x11.00 | RoHS ㉔ CE CB 準格 |
| | LS05-15BxxSS(-F) | 5W | 85-305VAC/100-430VDC | 3.3,5.9,12,15,24 | 4000VAC | 40.00x12.80x21.00 | RoHS ㉔ CE CB 準格 |
| | LS05-13BxxR3 NEW | 5W | 85-305VAC/70-430VDC | 3.3,5.9,12,15,24 | 3000VAC | 26.40x14.73x11.00 | RoHS ㉔ CE CB 準格 |
| | LS05-13D | 5W | 85-305VAC/70-430VDC | 5/12,5/24 | 3600VAC | 29.54x15.70x12.00 | RoHS CE 準格 |
| | LS08-13BxxSS(-F) | 8W | 85-305VAC/100-430VDC | 3.3,5.9,12,15,24 | 3000VAC | 44.50x15.00x24.00 | RoHS ㉔ CE CB 準格 |
| | LS10-13BxxR3 NEW | 10W | 85-305VAC/100-430VDC | 3.3,5.9,12,15,24 | 3600VAC | 32.00x17.20x15.05 | RoHS ㉔ CE CB 準格 |
| | LS10-13BxxR3P(-F) | 10W | 85-305VAC/90-430VDC | 3.3,5.9,12,15,24 | 3600VAC | 28.84x17.20x14.05 | RoHS ㉔ CE CB 準格 |
| | LS10-13D | 10W | 85-305VAC/70-430VDC | 5/12,5/24 5.7/5.5,7/12,5.7/24 | 3600VAC | 34.50x18.00x14.75 | RoHS CE 準格 |
| | LS15-13BxxSS(-F) | 15W | 85-305VAC/100-430VDC | 3.3,5.9,12,15,24 | 3000VAC | 44.50x15.00x24.00 | RoHS ㉔ CE CB 準格 |

5-15W Encapsulated DIY type LS series

| NEW SIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-----------------|---------------|-------|----------------------|----------------------|-----------|------------------|------------|
| | LS05-23BxxDR3 | 5W | 85-305VAC/70-430VDC | 3.3,5.9,12,15,24 | 4000VAC | 27.60x18.50x7.80 | RoHS CE 準格 |
| | LS15-23BxxDR3 | 15W | 85-305VAC/100-430VDC | 3.3,5.9,12,15,24 | 4000VAC | 33.34x21.50x9.72 | RoHS CE 準格 |

1-5W non-isolated AC/DC converter LS-K3B series

| SIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Output Current | Dimension (mm) | Markings |
|-------------|-------------------------|-------|---------------------|----------------------|----------------|------------------|------------|
| | LS01-K3BxxSS | 1W | 85-305VAC/70-430VDC | 5 | 200mA | 16.13x15.10x9.50 | RoHS CE 準格 |
| | LS03-K3BxxSS | 3W | 85-305VAC/70-430VDC | 12 | 250mA | 16.13x15.10x9.50 | RoHS CE 準格 |
| | LS05-K3BxxSS NEW | 5W | 85-305VAC/70-430VDC | 12,15,18 | 330mA | 16.13x15.10x9.50 | RoHS CE 準格 |

• Be careful: An electric shock may occur with non-isolated AC/DC converter as its non-isolated between primary side and secondary side.

3-75W AC/DC converter

| SIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-------------|--------------------|--------|-----------------------|----------------------|-----------|--------------------|--------------|
| | LS03-16BxxSS(-F) | 3W | 90-528VAC/100-745VDC | 3.3,5.9,12,15,24 | 4000VAC | 44.50x22.00x13.00 | RoHS ㉔ CE 準格 |
| | LS05-15BxxR3 | 5W | 85-418VAC/100-591VDC | 3.3,5.9,12,15,24 | 3600VAC | 27.20x14.73x11.00 | RoHS |
| | LS05-26BxxR3 | 5W | 90-528VAC/100-745VDC | 3.3,5.9,12,15,24 | 4000VAC | 33.50x17.20x13.00 | RoHS CE 準格 |
| | LS10-26BxxR3 | 10W | 85-528VAC/100-745VDC | 3.3,5.9,12,15,24 | 4000VAC | 38.00x20.00x15.25 | RoHS CE 準格 |
| DIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
| | LD10-26B | 10W | 90-528VAC/100-745VDC | 3.3,5.9,12,15,24 | 4000VAC | 62.00x45.00x30.00 | RoHS CE 準格 |
| | LD15-25BxxR2 | 15W | 176-418VAC/248-591VDC | 5.9,12,15,24 | 4000VAC | 52.40x27.20x24.00 | RoHS CE 準格 |
| | LD20-26B | 20W | 90-528VAC/100-745VDC | 3.3,5.9,12,15,24 | 4000VAC | 70.00x48.00x30.00 | RoHS ㉔ CE 準格 |
| | LD30-26BxxR2 | 20W | 176-528VAC/248-746VDC | 3.3,5.9,12,15,24,48 | 4000VAC | 70.00x48.00x30.00 | RoHS CE 準格 |
| Open Frame | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
| | LO10-26D0512-04L | 10.92W | 57-528VAC/80-745VDC | 5.1/12 | 4000VAC | 80.00x40.00x35.00 | RoHS |
| | LO15-26D1212-03-LM | 13.2W | 57-528VAC/80-745VDC | 12/12 | 4000VAC | 80.00x40.00x32.00 | RoHS |
| | LO15-26D1305-03 | 15W | 57-528VAC/80-745VDC | 5/13.5 | 4000VAC | 80.00x40.00x35.00 | RoHS |
| | LO20-26D1212-05 | 24.2W | 165-480VAC/230-680VDC | 12,15,12 | 4000VAC | 76.20x50.80x30.00 | RoHS |
| | LO75-26B | 75W | 176-576VAC | 12,24,48 | 4000VAC | 127.00x76.19x38.00 | RoHS |

AC/DC Converter

AC/DC Converter

3-90W compact size LD series

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------------------|-------|-----------------------|----------------------|-----------|-------------------|--------------------|
| LD03-23BxxR2 NEW | 3W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 25.40x25.40x17.60 | RoHS |
| LD05-23BxxR2 NEW | 5W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 25.40x25.40x17.60 | RoHS |
| LD05-23BxxR2-M NEW | 5W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 45.70x25.40x21.50 | RoHS |
| LD10-2WB NEW | 10W | 21.6-305VAC/18-430VDC | 5,9,12,15,24 | 4000VAC | 55.00x45.00x21.00 | RoHS (Pending) |
| LD10-23Bxx-DW NEW | 10W | 85-305VAC/100-430VDC | 5,9,12,15,24 | 4000VAC | 55.00x45.00x21.00 | RoHS (Pending) |
| LD10-23BxxR2 NEW | 10W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 40.00x25.4x21.00 | RoHS |
| LD10-23BxxR2-M NEW | 10W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 47.60x26.80x23.50 | RoHS |
| LD10-23BxxR2-RC NEW | 10W | 85-305VAC/100-430VDC | 3.3,5,12,15,24 | 4000VAC | 52.40x27.20x24.00 | RoHS (Pending) |
| LD15-23BxxR2 NEW | 15W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 47.60x26.80x23.50 | RoHS |
| LD15-23BxxR2-M NEW | 15W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 52.40x27.20x24.00 | RoHS |
| LD20-23BxxR2 NEW | 20W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 4000VAC | 52.40x27.20x24.00 | RoHS |
| LD20-23BxxR2-RC NEW | 20W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24,48 | 4200VAC | 52.40x27.20x24.00 | RoHS (Pending) |
| LD30-23BxxR2 NEW | 30W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24,48 | 4200VAC | 69.50x39.00x24.00 | RoHS |
| LD40-23BxxR2 NEW | 40W | 85-305VAC/100-430VDC | 5,12,15,24,48 | 4200VAC | 69.50x39.00x24.00 | RoHS (Pending) |
| LD60-23BxxR2 NEW | 60W | 85-305VAC/100-430VDC | 5,12,15,24,48 | 4200VAC | 70.00x48.00x27.00 | RoHS (Pending) |
| LD90-23BxxR2 NEW | 90W | 80-305VAC/110-430VDC | 12,15,24,48 | 4200VAC | 87.00x52.00x29.50 | RoHS (Pending) |
| LDE03-20B-W | 3W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24 | 4000VAC | 37.00x24.50x18.00 | RoHS |
| LD03-20B-WG | 3W | 85-264VAC/120-373VDC | 5,12,24 | 4000VAC | 32.30x27.30x21.80 | RoHS |
| LDE05-20B-W | 5W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24 | 4000VAC | 37.00x24.50x18.00 | RoHS |

5-60W standard package AC/DC converter LH/LHE series

| Series | Power | Input Voltage Range | Output Voltage Vo1 (VDC) | Output Voltage Vo2 (VDC) | Isolation | Dimension (mm) | Markings |
|-------------------------|-------|----------------------|--------------------------|--------------------------|-----------|--------------------|-------------------|
| LH05-23BxxR2 NEW | 5W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | / | 4000VAC | 48.50x36.00x20.50 | RoHS (Pending) |
| LH10-23BxxR2 NEW | 10W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | / | 4200VAC | 55.00x45.00x21.00 | RoHS |
| LH15-23BxxR2 NEW | 15W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24,48 | / | 4200VAC | 62.00x45.00x22.50 | RoHS |
| LH25-23BxxR2 NEW | 25W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24,48 | / | 4200VAC | 70.00x48.00x23.50 | RoHS |
| LHE40-23B | 40W | 85-305VAC/100-430VDC | 3.3,5,12,15,24,48 | / | 4000VAC | 89.00x63.50x25.00 | RoHS |
| LHE60-23B | 60W | 85-305VAC/100-430VDC | 5,12,15,24,48 | / | 4000VAC | 109.00x58.50x30.00 | RoHS |
| LHE40-20B | 40W | 85-264VAC/100-370VDC | 3.3,5,12,15,24,48 | / | 4000VAC | 89.00x63.50x25.00 | RoHS |
| LHE60-20B | 60W | 85-264VAC/100-370VDC | 5,12,15,24,48 | / | 4000VAC | 109.00x58.50x30.00 | RoHS |
| LHE05-20A | 5W | 85-264VAC/100-370VDC | +5,+12,+15 | -5,-12,-15 | 4000VAC | 48.50x36.00x20.50 | RoHS |
| LHE05-20C | 5W | 85-264VAC/100-370VDC | 5 | ±5,±12,±15 | 4000VAC | 48.50x36.00x20.50 | RoHS |
| LHE05-20D | 5W | 85-264VAC/100-370VDC | 5 | 5,12,15,24 | 4000VAC | 48.50x36.00x20.50 | RoHS |
| LHE10-20A | 10W | 85-264VAC/100-370VDC | +5,+12,+15 | -5,-12,-15 | 4000VAC | 55.00x45.00x21.00 | RoHS |
| LHE10-20C | 10W | 85-264VAC/100-370VDC | 5 | ±12,±15 | 4000VAC | 55.00x45.00x21.00 | RoHS |
| LHE10-20D | 10W | 85-264VAC/100-370VDC | 5 | 5,12,15,24 | 4000VAC | 55.00x45.00x21.00 | RoHS |
| LHE15-20A | 15W | 85-264VAC/100-370VDC | +5,+12,+15 | -5,-12,-15 | 4000VAC | 62.00x45.00x22.50 | RoHS |
| LHE15-20C | 15W | 85-264VAC/100-370VDC | 5 | ±5,±12,±15 | 4000VAC | 62.00x45.00x22.50 | RoHS |
| LHE15-20D | 15W | 85-264VAC/100-370VDC | 5 | 5,12,24 | 4000VAC | 62.00x45.00x22.50 | RoHS |
| LHE20-20A | 20W | 85-264VAC/100-370VDC | +12,+15 | -12,-15 | 4000VAC | 70.00x48.00x23.50 | RoHS |
| LHE20-20C | 20W | 85-264VAC/100-370VDC | 5 | ±12,±15 | 4000VAC | 70.00x48.00x23.50 | RoHS |
| LHE20-20D | 20W | 85-264VAC/100-370VDC | 5 | 12,15,24 | 4000VAC | 70.00x48.00x23.50 | RoHS |

3-65W Cost-effective open frame AC/DC converter LO series

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------|-------|-----------------------|----------------------|-----------|--------------------|----------|
| LO10-13B | 10W | 85-305VAC/100-430VDC | 3.3,5,9,12,15,24 | 3000VAC | 60.00x42.00x16.30 | RoHS |
| LO15-10A | 15W | 85-264VAC/100-370VDC | +12,-12,+15/-15 | 3000VAC | 63.50x45.70x21.00 | RoHS |
| LO15-10D | 15W | 85-264VAC/100-370VDC | 5/5,5/12,5/24 | 3000VAC | 63.50x45.70x21.00 | RoHS |
| LO30-10A | 30W | 85-264VAC/100-370VDC | ±12,±15 | 3000VAC | 76.20x50.80x28.00 | RoHS |
| LO30-10D | 30W | 85-264VAC/100-370VDC | 5/5,5/12,5/24 | 3000VAC | 76.20x50.80x28.00 | RoHS |
| LO45-10C | 45W | 85-264VAC/100-370VDC | ±5/12,5/±12,5/±15 | 3000VAC | 102.00x51.00x30.00 | RoHS |
| LO03-10B | 3W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24 | 3000VAC | 42.00x16.00x17.00 | RoHS |
| LO05-12B | 5W | 165-264VAC/230-370VDC | 3.3,5,9,12,15,24 | 3000VAC | 42.00x16.00x17.00 | RoHS |
| LO15-10B | 15W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24 | 3000VAC | 63.50x45.70x19.00 | RoHS |
| LO30-10B | 30W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24,48 | 3000VAC | 76.20x50.80x27.00 | RoHS |
| LO45-10B | 45W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24,48 | 3000VAC | 76.20x50.80x30.00 | RoHS |
| LO65-10B | 65W | 85-264VAC/100-370VDC | 5,9,12,15,24,48 | 3000VAC | 76.20x50.80x30.00 | RoHS |

High EMC performance for Electric power LO-E Series

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-------------|-------|---------------------|------------------------|-----------|--------------------|----------|
| LO15-23BxxE | 15W | 85-305VAC/88-430VDC | 3.3,5,12,15,24 | 4000VAC | 87.50x50.00x22.00 | RoHS |
| LO30-23BxxE | 30W | 85-305VAC/88-430VDC | 3.3,5,12,15,24 | 4000VAC | 105.00x50.00x30.00 | RoHS |
| LO50-23BxxE | 50W | 85-305VAC/88-430VDC | 3.3,5,9,12,15,24,27,48 | 4000VAC | 132.00x50.00x27.10 | RoHS |
| LO75-20BxxE | 75W | 85-264VAC/88-370VDC | 3.3,5,9,12,15,24,27,48 | 4000VAC | 101.60x50.80x27.00 | RoHS |

10W LO series specialized for flow-meter (Customization is acceptable)

| Series | Power | Input Voltage Range | Output Available (Vo1/Vo2/Vo3) | Output Available (Vo4/Vo5) | Output Available (Vo6/Vo7) | Markings |
|----------|-------|----------------------|-------------------------------------|---|---|----------|
| LO10-10J | 10W | 85-264VAC/120-370VDC | Triple outputs available (3.3V-24V) | Positive and negative voltage available (±5V to ±24V) | Positive and negative voltage available (±5V to ±70V) | RoHS |

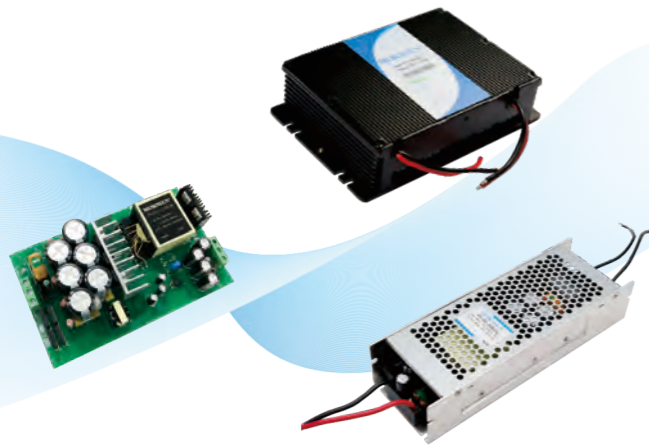
Ultra-wide input voltage non-isolated DC/DC single firewire power supply LSF Series

| Series | Power | Input Voltage Range | Output Voltage Vo (VDC) | Output Voltage Vo1 (VDC) | Dimension (mm) | Markings |
|-----------|-------|---------------------|-------------------------|--------------------------|------------------|----------|
| LSF01-K5B | 1W | 15-380VDC | 5.5,12.5 | 5V through peripheral | 15.70x9.00x14.50 | RoHS |

5-750W AC/DC converter specialized for MEDICAL

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------------|--|----------------------|----------------------------|-----------|--------------------|-------------------|
| LD05-20BxxMU | 5W | 85-264VAC/100-370VDC | 5,12,15,24 | 4000VAC | 53.80x28.80x19.00 | RoHS |
| LD08-20BY4 | 7.6W | 85-264VAC/100-370VDC | 3.8 | 4000VAC | 45.70x25.40x15.20 | RoHS |
| LD10-20B | 10W | 85-264VAC/100-370VDC | 3.3,5,9,12,15,24 | 4000VAC | 53.80x28.80x19.00 | RoHS |
| LH15-20BxxMU | 15W | 85-264VAC/100-370VDC | 5,12,15,18,24 | 4000VAC | 62.00x45.00x22.50 | RoHS |
| LH25-20BxxMU | 25W | 85-264VAC/100-370VDC | 5,12,15,18,24 | 4000VAC | 70.00x48.00x23.50 | RoHS |
| LO30-20BxxMU | 30W | 80-264VAC/100-370VDC | 3.3,5,12,15,19,24,36,48 | 4000VAC | 76.20x50.80x24.00 | RoHS |
| LO45-20BxxSMU(-C) | 45W | 80-264VAC/100-370VDC | 3.3,5,12,15,24,36,48 | 4000VAC | 76.20x50.80x26.50 | RoHS (Pending) |
| LO65-20BxxSMU(-C) | 65W | 80-264VAC/100-370VDC | 3.3,5,12,15,24,36,48 | 4000VAC | 76.20x50.80x26.50 | RoHS (Pending) |
| LO120-20BxxMU | 120W | 85-264VAC/120-370VDC | 12,15,24,27,36,48,54 | 4000VAC | 101.60x50.80x32.00 | RoHS |
| LOF120-20Bxx(-C) | 120W | 85-264VAC/120-370VDC | 12,15,19,24,27,36,48,54 | 4000VAC | 76.20x50.80x31.00 | RoHS |
| LOF225-20Bxx(-C) | Air cooling: 140W 13CFM: 225W | 85-264VAC/120-370VDC | 12,15,18,19,24,27,36,48,54 | 4000VAC | 101.60x50.80x25.40 | RoHS |
| LOF350-20Bxx(-C) | Air cooling: 180-200W 20.5CFM: 300-351W | 90-264VAC/127-370VDC | 12,15,18,19,24,27,36,48,54 | 4000VAC | 127.00x76.20x25.40 | RoHS |
| LOF450-20Bxx(-C/-CF) | Air cooling: 250W 25CFM: 450W | 90-264VAC/127-370VDC | 12,15,18,19,24,27,36,48,54 | 4000VAC | 127.00x76.20x38.50 | RoHS (Pending) |
| LOF550-20Bxx(-C/-CF) | Air cooling: 320W 25CFM: 550W | 90-264VAC/127-370VDC | 12,15,18,19,24,27,36,48,54 | 4000VAC | 127.00x76.20x40.50 | RoHS (Pending) |
| LOF750-20Bxx | Air cooling: 400/450W 25CFM: 700/750W | 90-264VAC/127-370VDC | 12,15,24,27,36,48,54 | 4000VAC | 127.00x76.20x43.00 | RoHS (Pending) |

• The products stringently comply with medical standards, meeting 2" MOPP safety level, and is suitable for the applications of BF device.

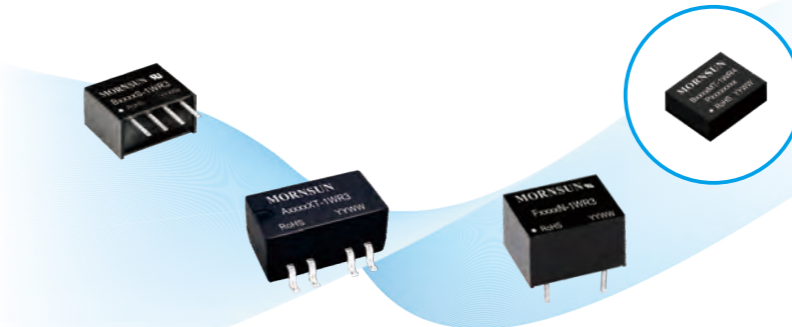


PV Series

- Specialized for Photovoltaic/Solar industry
- Ultra-wide input voltage: 80-3300VDC
- Isolation: 4000VAC
- Operating temperature: -40°C to +85°C
- Operating altitude up to 5000m
- PCB, chassis mounting, DIN-Rail mounting, metal case packages

PVA Series

- Specialized for mining industry
- Ultra-wide input voltage: 85-1500VDC
- Isolation up to 4000VAC
- Simple wiring, compact size
- Immunity, EFT/Surge: ±4KV perf. Criteria B



- ± 5%, ± 10% input voltage tolerance
- Operating temperature up to 105°C
- High isolation up to 6000VDC
- Low ripple & noise
- Continuous short-circuit protection

K78 series

- Efficiency up to 96%
- Operating temperature: -40°C to +85°C
- Continuous short-circuit protection
- Pin-out compatible with LM78xx linear regulators

5-350W DC/DC converter specialized for PV industry



| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|----------------------|----------------|---------------------|--|-----------|---------------------|--------------------------|
| PV05/10/15-27BxxR2 | 5W,10W,15W | 100-1000VDC | 5,9,12,15,24 | 4000VAC | 70.00x48.00x23.50 | RoHS CE ㉔ |
| PV10-27C | 10W | 200-1200VDC | 5/5/24 | 4000VAC | 70.00x48.00x23.50 | RoHS |
| PV15-27BxxR3 NEW | 15W | 100-1000VDC | 12,15,24 | 4000VAC | 70.00x48.00x23.50 | RoHS CE ㉔ |
| PV15-29BxxR3 NEW | 15W | 200-1500VDC | 5,12,15,24 | 4000VAC | 89.00x63.50x25.00 | RoHS ㉔ CE ㉔ |
| PV15-29C | 15W | 200-1500VDC | 5/5/5/5/24 | 4000VAC | 89.00x63.50x25.00 | RoHS |
| PV20-25B24 NEW | 20W | 80-745VDC | 24 | 4000VAC | 70.00x48.00x30.00 | RoHS CE CB ㉔ |
| PV20-27A15 NEW | 20W | 200-1100VDC | ±15 | 4000VAC | 70.00x48.00x23.50 | RoHS |
| PV25-24B12 NEW | 25W | 64-256VDC | 12 | 4000VAC | 70.00x48.00x23.50 | RoHS ㉔ CE CB ㉔ |
| PV40-27BxxR2 NEW | 40W | 200-1200VDC | 12,15,24,28 | 4000VAC | 89.00x63.50x25.00 | RoHS CE ㉔ |
| PV40-29B | 40W | 200-1500VDC | 12,15,24 | 4000VAC | 125.00x75.00x40.00 | RoHS ㉔ CE ㉔ |
| PV45-29D | 45W | 150-1500VDC | 12V/15V/24V dual outputs (customization is acceptable) | 4000VAC | 144.50x105.00x40.00 | RoHS |
| PV50-25B NEW | 50W | 80-750VDC | 12,24 | 4000VAC | 109.00x58.50x30.00 | RoHS CE ㉔ |
| PV50-29D | 50W | 150-1500VDC | 12V/15V/24V dual outputs (customization is acceptable) | 4000VAC | 150.00x100.00x38.70 | RoHS |
| PV60-27D | 60W | 200-1100VDC | 12/15 | 4000VAC | 162.00x69.00x32.00 | RoHS |
| PV75-36D | 75W | 250-3300VDC | 15,400 | 6000VAC | 220.00x157.00x40.00 | RoHS |
| PV120-27B | 90W,100W,120W | 200-1100VDC | 12,15,24,26,28,48 | 4000VAC | 144.50x105.00x40.00 | RoHS |
| PV150-29B | 120W,150W | 250-1500VDC | 12,15,24,28,32,48 | 4000VAC | 168.00x111.20x42.50 | RoHS CE CB ㉔ |
| PV150-29BxxL NEW | 150W | 250-1500VDC | 24,28,32 | 4000VAC | 201.00x70.00x42.00 | RoHS |
| PV200-27B | 120W,150W,200W | 200-1000VDC | 12,15,24,26,48 | 4000VAC | 168.00x121.35x42.50 | RoHS CE ㉔ |
| PV200-29B | 200W | 300-1500VDC | 24,32,48 | 4000VAC | 215.00x125.00x50.00 | RoHS CE ㉔ |
| PV350-29Bxx(-TR) NEW | 350W | 300-1500VDC | 24,28,32 | 4000VAC | 215.00x125.00x50.00 | RoHS ㉔ CE CB ㉔ (Pending) |

40-150W AC/DC converter specialized for MINING



| Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-----------------|-------|------------------------|----------------------|-----------|---------------------|----------|
| PVA40-26B | 40W | 460-1500VAC | 12,28,35 | 4200VAC | 144.50x105.00x40.00 | RoHS |
| PVA40-27B | 40W | 85-900VAC | 18,24,30 | 4000VAC | 138.00x82.00x32.00 | RoHS |
| PVA70-27B | 70W | 85-900VAC | 24,28,35 | 4000VAC | 155.00x95.00x41.00 | RoHS |
| PVA70-27B28-C | 70W | 85-900VAC | 28.5 | 4000VAC | 157.00x100.00x49.00 | RoHS |
| PVA120-27B | 120W | 85-900VAC | 24,28,35 | 4000VAC | 170.00x107.00x52.00 | RoHS |
| PVA120-27B-C | 120W | 85-900VAC | 30,35 | 4000VAC | 187.00x113.00x59.00 | RoHS |
| PVA120-27B24-YL | 120W | 300-1200VDC/380VAC±20% | 24 | 4000VAC | 170.00x107.00x37.40 | RoHS |
| PVA150-27Bxx | 150W | 85-850VAC | 24,28,35 | 4000VAC | 199.00x110.00x55.00 | RoHS |

Fixed input voltage, isolated & unregulated output series

| Series | Power | Input Voltage (VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings |
|-----------------------------------|-------|---------------------|-----------------------------|-----------|---------|------------------|----------------|
| SOIC16 B0505ST16-W5 | 0.5W | 5 | Regulated Output 5 | 5000VAC | SOIC16 | 10.3x10.3x2.5 | RoHS |
| B_MT-1WR4 | 1W | 5 | 5 | 3000VDC | DFN | 9.00x7.00x3.10 | RoHS ㉔ CE CB ㉔ |
| D_T-1WR4 | 1W | 5 | 5 | 3000VDC | DFN | 13.20x7.00x3.10 | RoHS |
| E_T-1WR4 | 1W | 5 | ±5 | 3000VDC | DFN | 13.20x7.00x3.10 | RoHS |
| FB_T-1WR4 | 1W | 5 | 5 | 4200VDC | DFN | 13.20x7.00x3.10 | RoHS |
| B_T-1WR3 | 1W | 3.3,5,12 | 3.3,5,9,12,15 | 1500VDC | SMD 8 | 13.20x11.40x7.25 | RoHS ㉔ CE CB ㉔ |
| SMD Package A_XT-1WR3 | 1W | 3.3,5,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 1500VDC | SMD 10 | 15.24x11.40x7.25 | RoHS ㉔ CE CB ㉔ |
| B_XT-1WR3 | 1W | 3.3,5,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | SMD 8 | 13.20x11.40x7.25 | RoHS ㉔ CE CB ㉔ |
| E_XT-1WR3 | 1W | 3.3,5,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 3000VDC | SMD 10 | 15.24x11.40x7.25 | RoHS ㉔ CE CB ㉔ |
| F_XT-1WR3 | 1W | 3.3,5,12,15,24 | 3.3,5,9,12,15,24 | 3000VDC | SMD 8 | 13.20x11.40x7.25 | RoHS ㉔ CE CB ㉔ |
| FB0505XT-1WR3 | 1W | 5 | 5 | 4200VDC | SMD 10 | 15.24x11.40x7.25 | RoHS CE ㉔ |
| B_XT-2WR3 | 2W | 5,12,15,24 | 3.3,5,7,9,12,15,24 | 1500VDC | SMD 8 | 13.20x11.40x7.25 | RoHS CE ㉔ |
| F_XT-2WR3 | 2W | 5,12,15,24 | 3.3,5,7,9,12,15,24 | 3000VDC | SMD 8 | 13.20x11.40x7.25 | RoHS CE ㉔ |
| SIP Package A_S-1WR3 | 1W | 3.3,5,9,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 1500VDC | 6-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| B_LS-1WR3 | 1W | 3.3,5,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | 6-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| B_S-1WR3 | 1W | 3.3,5,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | 4-SIP | 11.60x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| E_S-1WR3 | 1W | 3.3,5,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 3000VDC | 7-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| F_S-1WR3 | 1W | 3.3,5,12,15,24 | 3.3,5,12,15,24 | 3000VDC | 7-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| G_S-1WR3 | 1W | 12,24 | ±5,±12,±15 | 6000VDC | 7-SIP | 19.50x9.80x12.50 | RoHS |
| H_S-1WR3 | 1W | 12,24 | 3.3,5,9,12,15,24 | 6000VDC | 7-SIP | 19.50x9.80x12.50 | RoHS |
| G_WS-1WR3 | 1W | 12,24 | ±5,±12,±15 | 6000VDC | 9-SIP | 19.50x9.80x12.50 | RoHS |
| H_WS-1WR3 | 1W | 12,24 | 3.3,5,9,12,15,24 | 6000VDC | 9-SIP | 19.50x9.80x12.50 | RoHS |
| A_S-2WR3 | 2W | 5,12,15,24 | ±3.3,±5,±7.2,±9,±12,±15,±24 | 1500VDC | 6-SIP | 19.50x7.05x10.16 | RoHS ㉔ CE CB ㉔ |
| B_S-2WR3 | 2W | 5,12,15,24 | 3.3,5,7.2,9,12,15,24 | 1500VDC | 6-SIP | 19.50x7.05x10.16 | RoHS ㉔ CE CB ㉔ |
| E_S-2WR3 | 2W | 5,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 3000VDC | 7-SIP | 19.65x7.05x10.16 | RoHS ㉔ CE CB ㉔ |
| F_S-2WR3 | 2W | 5,12,15,24 | 3.3,5,7.2,9,12,15,24 | 3000VDC | 7-SIP | 19.65x7.05x10.16 | RoHS ㉔ CE CB ㉔ |
| G_S-2WR3 | 2W | 12 | ±5,±9,±12,±15 | 6000VDC | 7-SIP | 19.50x9.80x12.50 | RoHS |
| H_S-2WR3 | 2W | 12,15,24 | 5,9,12,15,24 | 6000VDC | 7-SIP | 19.50x9.80x12.50 | RoHS |
| G_WS-2WR3 | 2W | 12 | ±5,±9,±12,±15 | 6000VDC | 9-SIP | 19.50x9.80x12.50 | RoHS |
| H_WS-2WR3 | 2W | 12,15,24 | 5,9,12,15,24 | 6000VDC | 9-SIP | 19.50x9.80x12.50 | RoHS |
| B_S-3WR2 | 3W | 5,12 | 5,9,12 | 1500VDC | 6-SIP | 19.65x7.05x10.16 | RoHS |
| F_S-3WR2 | 3W | 5,12,15 | 5,9,12,15 | 3000VDC | 7-SIP | 19.65x7.05x10.16 | RoHS |
| DIP Package B05_LD-1WR2 | 1W | 5 | 50,60 | 1500VDC | 14-DIP | 20.32x10.16x8.20 | RoHS |
| F_N-1WR3 | 1W | 5,12 | 3.3,5,7.2,9,12,15,24 | 3000VDC | 7-DIP | 12.70x10.16x8.20 | RoHS ㉔ CE CB ㉔ |
| A_D-1WR3 | 1W | 12,15,24 | ±5,±9,±12,±15,±24 | 1500VDC | 14-DIP | 20.00x10.00x7.00 | RoHS |
| B_D-1WR3 | 1W | 3.3,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | 7-DIP | 12.70x10.16x8.20 | RoHS ㉔ CE CB ㉔ |
| E_D-1WR3 | 1W | 5,12,15,24 | ±5,±9,±12,±15 | 3000VDC | 14-DIP | 20.00x10.00x7.00 | RoHS CE ㉔ |
| F_D-1WR3 | 1W | 5,12,15,24 | 3.3,5,12,15 | 3000VDC | 7-DIP | 20.00x10.00x7.00 | RoHS |
| A_D-2WR3 | 2W | 5,12,15,24 | ±3.3,±5,±7,±9,±12,±15,±24 | 1500VDC | 14-DIP | 20.32x10.16x8.20 | RoHS |
| B_D-2WR3 | 2W | 3.3,5,9,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | 14-DIP | 20.32x10.16x8.20 | RoHS |
| E_D-2WR3 | 2W | 5,12,15,24 | ±3.3,±5,±9,±12,±15,±24 | 3000VDC | 14-DIP | 20.32x10.16x8.20 | RoHS CE ㉔ |
| F_D-2WR3 | 2W | 5,12,15,24 | 3.3,5,9,12,15,24 | 3000VDC | 14-DIP | 20.32x10.16x8.20 | RoHS |

DC/DC Converter

DC/DC Converter

Fixed input voltage, isolated & regulated output series

| SMD Package | Series | Power | Input Voltage (VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings |
|-------------|-------------|-------|---------------------|----------------------|-----------|---------|------------------|----------------|
| | IB_XT-W75R3 | 0.75W | 5,12 | 3.3,5,9,12,15 | 1500VDC | SMD 8 | 13.20x11.40x7.25 | RoHS CE ㉔ |
| | IB_XT-1WR3 | 1W | 5,12,15,24 | 3.3,5,9,12,15 | 1500VDC | SMD 10 | 15.24x11.40x7.25 | RoHS |
| | IF_XT-1WR3 | 1W | 5,12,24 | 3.3,5,9,12,15 | 3000VDC | SMD 10 | 15.24x11.40x7.25 | RoHS CE ㉔ |
| SIP Package | Series | Power | Input Voltage (VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings |
| | IB_S-W75R3 | 0.75W | 5,12,24 | 3.3,5,9,12,15 | 1500VDC | 4-SIP | 11.60x6.00x10.16 | RoHS CE ㉔ |
| | IB_LS-1WR3 | 1W | 5,12,15,24 | 3.3,5,9,12,15,24 | 1500VDC | 6-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| | IF_S-1WR3 | 1W | 5,12,15,24 | 3.3,5,9,12,15,24 | 3000VDC | 6-SIP | 19.65x6.00x10.16 | RoHS ㉔ CE CB ㉔ |
| | IE_KS-1WR3 | 1W | 5,24 | ±5, ±9, ±12, ±15 | 3000VDC | 10-SIP | 27.50x9.50x12.00 | RoHS CE ㉔ |

Wide input voltage, non-isolated & regulated output series

| NEW DFN Package | Series | Current (mA) | Input Voltage Range(VDC) | Output Voltage (VDC) | Package | Dimension (mm) | Markings |
|-----------------|-------------------|--------------|--------------------------|-------------------------------|---------|-------------------|---------------------|
| | K78_MT-500R4 | 500 | 4.5-36 | ±3.3, ±5, ±6.5, ±9, ±12, ±15 | DFN | 9.00x7.00x3.10 | RoHS CE ㉔ |
| | K78_MT-1000R4 | 1000 | 4.75-36 | ±3.3, ±5, ±6.5, ±9, ±12, ±15 | DFN | 9.00x7.00x3.10 | RoHS CE ㉔ |
| SIP Package | Series | Current (mA) | Input Voltage Range(VDC) | Output Voltage (VDC) | Package | Dimension (mm) | Markings |
| | K78-500R3 | 500/300/150 | 4.75-36 | 3.3,5,9,12,15,-5,-12,-15 | 3-SIP | 11.60x7.55x10.16 | RoHS ㉔ CE CB ㉔ |
| | K78L-500R3 | 500/300/150 | 4.75-36 | 3.3,5,12,15,-5,-12,-15 | 3-SIP | 10.00x7.20x11.00 | RoHS ㉔ CE CB ㉔ |
| | K78-500R3-LB | 500/300/150 | 4.75-36 | ±3.3, ±5, ±6.5, ±9, ±12, ±15 | 3-SIP | 10.27x6.00x8.61 | RoHS CE ㉔ |
| | K78xxW-500R3 | 500/300/150 | 4.75-36 | 3.3,5,9,12,15,-5,-12,-15 | Wire | 11.50x9.00x17.50 | RoHS CE ㉔ |
| | K78U-500R3(L) NEW | 500 | 9-80 | 3.3,5,6.5,9,12,15 | 3-SIP | 11.50x9.00x19.00 | RoHS CE ㉔ |
| | K78-1000R3(L) | 1000/500/300 | 6-36 | 3.3,5,6.5,12,15,-5,-12,-15 | 3-SIP | 11.50x7.50x17.50 | RoHS ㉔ CE CB ㉔ |
| | K78L-1000R3 | 1000/500/300 | 6-36 | 3.3,5,6.5,12,15,-5,-12,-15 | 3-SIP | 11.50x7.50x17.50 | RoHS ㉔ CE CB ㉔ |
| | K78xxM-1000R3 | 1000/500/300 | 6-36 | 3.3,5,6.5,9,12,15,-5,-12,-15 | 3-SIP | 11.60x8.00x10.40 | RoHS CE ㉔ |
| | K78-2000R3 | 2000 | 4.5-36 | 2.5,3.3,5,9,12,15 | 3-SIP | 11.50x9.00x17.50 | RoHS CE ㉔ |
| | K78-3AR3 | 3000 | 8-36 | 3.3,5,6.5,9,12,15 | 12-SIP | 32.15x14.85x9.05 | RoHS CE ㉔ |
| SMD Package | Series | Current (mA) | Input Voltage Range(VDC) | Output Voltage (VDC) | Package | Dimension (mm) | Markings |
| | K78T-500R3 | 500 | 4.75-36 | 1.5,1.8,2.5,3.3,5,6.5,9,12,15 | 10-SMD | 15.24x11.40x8.25 | RoHS CE ㉔ |
| | K78T-1000R3 | 1000/800 | 4.75-36 | 1.5,1.8,2.5,3.3,5,6.5,9,12 | 10-SMD | 15.24x11.40x8.25 | RoHS CE ㉔ |
| | K78_JT-500R3 | 500 | 4.75-36 | 3.3,5,9,12,15 | 4-SMD | 12.50x13.50x3.50 | RoHS CE ㉔ |
| | K78_JT-500R3-LB | 500 | 4.75-36 | 3.3,5,6.5,9,12,15 | 4-SMD | 12.00x12.00x4.50 | RoHS CE ㉔ |
| | K12MT-6A | 6000 | 12(4.5-14.4) | 0.6-5.5 | SMD | 12.20x12.20x8.70 | RoHS |
| | K12MT-12A | 12000 | 12(4.5-14.4) | 0.6-5.5 | SMD | 12.20x12.20x8.70 | RoHS |
| | K12MT-16A | 16000 | 12(4.5-14.4) | 0.6-3.63 | SMD | 12.20x12.20x8.40 | RoHS |
| | KUB4836EB(F)-10A | 0-10000 | 9-60 | 36 | DIP | 60.80x25.00x12.70 | RoHS CE ㉔ (Pending) |
| | KUB4812QB-10A | 10000 | 16-75 | 12 | DIP | 59.20x37.60x13.00 | RoHS CE ㉔ |
| | KUB4824QB-10A | 10000 | 30-75 | 24 | DIP | 59.20x37.60x13.00 | RoHS CE ㉔ |

High output voltage, non-isolated & regulated output series

| DIP Package | Series | Power | Input Voltage (VDC) | Maximum Output Voltage (VDC) | Output Voltage Range (VDC) | Package | Dimension (mm) | Markings |
|-------------|-------------------------|--------|---------------------|------------------------------|----------------------------|---------|-------------------|----------|
| | H01-P(N)1251V-0.5C(F) | 0.625W | 12,24 | +1250/-1250 | 0 to +1250 / 0 to -1250 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)1251S-0.5C | 0.625W | 12 | +1250/-1250 | 0 to +1250 / 0 to -1250 | DIP | 45.50x12.00x24.50 | RoHS |
| | H01-P(N)1201-0.6B | 0.72W | 5 | +1200/-1200 | 0 to +1200 / 0 to -1200 | DIP | 15.00x15.00x18.00 | RoHS |
| | H01-P(N)1251H-1B | 0.75W | 5 | +1250/-1250 | 0 to +1250, 0 to -1250 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)1251H-0.5C(D/F) | 0.75W | 12,15,24 | +1250/-1250 | 0 to +1250 / 0 to -1250 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)1501H-0.5C(D) | 0.75W | 12,15 | +1500/-1500 | 0 to +1500 / 0 to -1500 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)202V-0.5B | 1W | 5 | +2000/-2000 | 0 to +2000, 0 to -2000 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)202V-1C | 2W | 12 | +2000/-2000 | 0 to +2000, 0 to -2000 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)601V-3C | 1.8W | 12 | +600/-600 | 0 to +600, 0 to -600 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P(N)302-0.5C(F) | 1.5W | 12,24 | +3000/-3000 | 0 to +3000, 0 to -3000 | DIP | 45.00x35.00x12.50 | RoHS |
| | H01-P401V-5C | 2W | 12 | +400 | 0 to +400 | DIP | 45.50x23.00x12.50 | RoHS |
| | H01-P102-30F | 30W | 24 | +1000 | 0 to +1000 | DIP | 62.00x45.00x22.50 | RoHS |
| | H01-P202-20D | 40W | 16 | +2000 | 0 to +2000 | DIP | 80.00x55.00x28.00 | RoHS |
| | H01-P431-XA | / | 2.3-3.5 | +430 | / | DIP | 22.00x14.00x5.50 | RoHS |
| | H02-N2201-0.05AG | / | 3.6 | -2000 | / | DIP | 22.00x12.00x4.50 | RoHS |

1-6W DC/DC converter specialized for MEDICAL

| SIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
|-------------|------------|-------|---------------------|----------------------|-----------|-------------------|-----------|
| | G_S-1WR3 | 1W | 12,24 | ±5, ±12, ±15 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | H_S-1WR3 | 1W | 12,24 | 3.3,5,9,12,15,24 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | G_WS-1WR3 | 1W | 12,24 | ±5, ±12, ±15 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| DIP Package | Series | Power | Input Voltage Range | Output Voltage (VDC) | Isolation | Dimension (mm) | Markings |
| | H_WS-1WR3 | 1W | 12,24 | 3.3,5,9,12,15,24 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | G_S-2WR3 | 2W | 12 | ±5, ±9, ±12, ±15 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | H_S-2WR3 | 2W | 12,15,24 | 5,9,12,15,24 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | G_WS-2WR3 | 2W | 12 | ±5, ±9, ±12, ±15 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | H_WS-2WR3 | 2W | 12,15,24 | 5,9,12,15,24 | 6000VDC | 19.50x9.80x12.50 | RoHS |
| | URH_P-6WR3 | 6W | 24,48 | 5,6,9,12,15,18,24 | 6000VDC | 31.60x20.30x10.20 | RoHS CE ㉔ |



- 2:1, 4:1 input voltage range
- SIP, DIP, SMD, chassis mounting, DIN-Rail mounting
- Remote On/Off and output voltage trimming
- No overshoot voltage when switching
- EMI meets CISPR32/EN55032 CLASS A
- Continuous short-circuit protection, self-recovery

Wide input voltage, isolated & regulated output series

| SIP Package | Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings | |
|-----------------|---------------|--------------|--------------------------|--------------------------|----------------------|--------------|----------------------|-------------------|----------------|
| | WRA_S-1WR2 | 1W | 4.5-9,9-18,18-36,36-75 | ±5, ±9, ±12, ±15 | 1500VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRB_S-1WR2 | 1W | 4.5-9,9-18,18-36,36-75 | 3.3,5,9,12,15,24 | 1500VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRE_S-1WR2 | 1W | 4.5-9,9-18,18-36,36-75 | ±5, ±12, ±15 | 3000VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRF_S-1WR2 | 1W | 4.5-9,9-18,18-36,36-75 | 3.3,5,9,12,15,24 | 3000VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRA_S-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | ±5, ±9, ±12, ±15, ±24 | 1500VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRB_S-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | 3.3,5,6,9,12,15,24 | 1500VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRE_S-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | ±5, ±9, ±12, ±15 | 3000VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | WRF_S-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | 3.3,5,9,12,15,24 | 3000VDC | SIP | 22.00x9.50x12.00 | RoHS ㉔ CE CB ㉔ | |
| | VRB_S-6WR3 | 6W | 9-18,18-36 | 3.3,5,9,12,15,24 | 1600VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| | VRB_S-10WR3 | 10W | 9-18,18-36 | 3.3,5,9,12,15,24 | 1500VDC | SIP | 22.00x9.50x12.00 | RoHS CE ㉔ | |
| NEW SMD DIP | Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings | |
| | WRA_SD/T-1WR2 | 1W | 9-18,18-36 | ±5, ±9, ±12, ±15 | 1500VDC | DIP/SMD | 15.00x14.00x9.10(ST) | RoHS CE ㉔ | |
| | WRB_SD/T-1WR2 | 1W | 9-18,18-36 | 3.3,5,12,15,24 | 1500VDC | DIP/SMD | 15.00x14.00x9.10(ST) | RoHS CE ㉔ | |
| | WRA_SD/T-3WR2 | 3W | 9-18,18-36 | ±5, ±9, ±12, ±15 | 1500VDC | DIP/SMD | 15.00x14.00x9.10(ST) | RoHS CE ㉔ | |
| | WRB_SD/T-3WR2 | 3W | 9-18,18-36 | 3.3,5,12,15,24 | 1500VDC | DIP/SMD | 15.00x14.00x9.10(ST) | RoHS CE ㉔ | |
| DIP 24 | Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings | |
| | WRE_P-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | ±3.3, ±5, ±9, ±12, ±15 | 3000VDC | DIP, plastic | 31.60x20.30x10.20 | RoHS CE ㉔ | |
| | WRF_P-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | 3.3,5,12,15,24 | 3000VDC | DIP, plastic | 31.60x20.30x10.20 | RoHS ㉔ CE CB ㉔ | |
| | WRA_ZP-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | ±5, ±9, ±12, ±15, ±24 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | WRB_ZP-3WR2 | 3W | 4.5-9,9-18,18-36,36-75 | 3.3,5,9,12,15,24 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | VRA_ZP-6WR3 | 6W | 4.5-9,9-18,18-36,36-75 | ±5, ±12, ±15, ±24 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | VRB_ZP-6WR3 | 6W | 4.5-9,9-18,18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | VRA_ZP-10WR3 | 10W | 9-18,18-36,36-75 | ±5, ±12, ±15 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | VRB_ZP-10WR3 | 10W | 9-18,18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP, metal | 32.00x20.00x10.80 | RoHS CE ㉔ | |
| | DIP 2x1inch | Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings |
| | | VRB_LD-15WR3 | 15W | 18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP | 50.80x25.40x11.80 | RoHS ㉔ CE CB ㉔ |
| VRA_LD-20WR3 | | 20W | 9-18,18-36,36-75 | ±5, ±9, ±12, ±15, ±24 | 1500VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ | |
| VRB_LD-20WR3 | | 20W | 9-18,18-36,36-75 | 3.3,5,9,12,15,24,110 | 1500VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ | |
| VRB_LD-30WR3 | | 30W | 18-36,36-75 | 3.3,5,9,12,15,24 | 1500VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ | |
| VRB_LD-40WHR3 | | 40W | 18-36,36-75 | 5,12,15,24 | 1500VDC | DIP | 51.40x26.20x16.50 | RoHS CE ㉔ | |
| VRB_LD-50W(H)R3 | | 50W | 36-75 | 3.3,5,12,15,24 | 1500VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ | |
| DIP Package | Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings | |
| | VRA_YMD-6WR3 | 6W | 9-18,18-36 | ±5, ±12, ±15 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS ㉔ CE CB ㉔ | |
| | VRB_YMD-6WR3 | 6W | 9-18,18-36,36-75 | 3.3,5,9,12,15,24 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ | |
| | VRA_YMD-10WR3 | 10W | 4.5-9 | ±5, ±12, ±15, ±24 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ | |
| | VRB_YMD-10WR3 | 10W | 4.5-9,9-18,18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ | |
| | VRB_YMD-15WR3 | 15W | 9-18,18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ | |
| | VRB_YMD-20WR3 | 20W | 9-18,18-36,36-75 | 3.3,5,12,15,24 | 1500VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ | |
| Ultra-thin | Series | Power | | | | | | | |

DC/DC Converter

DC/DC Converter

SIP Package



Ultra-wide input (4:1)

| Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Dimension (mm) | Package | Markings |
|-------------|-------|--------------------------|------------------------|-----------|------------------|---------|-----------|
| UWE_S-1WR3 | 1W | 4.5-36 | ±5, ±12, ±15 | 3000VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |
| UWF_S-1WR3 | 1W | 4.5-36 | 5, 9, 12, 15 | 3000VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |
| UWE_S-3WR3 | 3W | 4.5-36 | ±5, ±12, ±15 | 3000VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |
| UWF_S-3WR3 | 3W | 4.5-36 | 5, 12, 15 | 3000VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |
| URD_S-3WR3 | 3W | 18-75 | 5/5, 5/12, 5/24 | 3000VDC | 27.40x9.50x12.00 | SIP | RoHS CE ㉔ |
| URB_S-6WR3 | 6W | 9-36 | 3, 3, 5, 9, 12, 15, 24 | 1600VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |
| URB_S-10WR3 | 10W | 9-36 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 22.00x9.50x12.00 | SIP | RoHS CE ㉔ |

DIP Package



| | | | | | | | |
|--------------|-----|-------------|----------------------------|---------|-------------------|--------------|----------------|
| URH_P-6WR3 | 6W | 9-36, 18-75 | 5, 6, 9, 12, 15, 18, 24 | 6000VDC | 31.60x20.30x10.20 | DIP, plastic | RoHS CE ㉔ |
| URE_P-6WR3 | 6W | 9-36, 18-75 | ±5, ±12, ±15 | 3000VDC | 31.60x20.30x10.20 | DIP, plastic | RoHS ㉔ CE CB ㉔ |
| URF_P-6WR3 | 6W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24, 25 | 3000VDC | 31.60x20.30x10.20 | DIP, plastic | RoHS ㉔ CE CB ㉔ |
| PWB_ZP-3WR2 | 3W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 32.00x20.00x10.80 | DIP, metal | RoHS CE ㉔ |
| URA_ZP-6WR3 | 6W | 9-36, 18-75 | ±5, ±9, ±12, ±15, ±24 | 1500VDC | 32.00x20.00x10.80 | DIP, metal | RoHS ㉔ CE CB ㉔ |
| URB_ZP-6WR3 | 6W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 32.00x20.00x10.80 | DIP, metal | RoHS ㉔ CE CB ㉔ |
| URA_ZP-10WR3 | 10W | 9-36, 18-75 | ±5, ±12, ±15 | 1500VDC | 32.00x20.00x10.80 | DIP, metal | RoHS CE ㉔ |
| URB_ZP-10WR3 | 10W | 9-36, 18-75 | 3, 3, 5, 12, 15, 24 | 1500VDC | 32.00x20.00x10.80 | DIP, metal | RoHS CE ㉔ |

DIP 24

DIP Package



| | | | | | | | |
|---------------|-----|-------------|-------------------------|---------|-------------------|-----|----------------|
| URA_YMD-6WR3 | 6W | 9-36, 18-75 | ±5, ±12, ±15, ±24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URB_YMD-6WR3 | 6W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URA_YMD-10WR3 | 10W | 9-36, 18-75 | ±5, ±9, ±12, ±15, ±24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URB_YMD-10WR3 | 10W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URD_YMD-10WR3 | 10W | 18-75 | 5/5, 5/12, 5/24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS CE ㉔ |
| URA_YMD-15WR3 | 15W | 9-36, 18-75 | ±5, ±12, ±15, ±24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS CE ㉔ |
| URB_YMD-15WR3 | 15W | 9-36, 18-75 | 3, 3, 5, 12, 15, 24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URA_YMD-20WR3 | 20W | 9-36, 18-75 | ±5, ±12, ±15, ±24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS CE ㉔ |
| URB_YMD-20WR3 | 20W | 9-36, 18-75 | 3, 3, 5, 6, 12, 15, 24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS ㉔ CE CB ㉔ |
| URA_YMD-30WR3 | 30W | 18-75 | ±12, ±15, ±24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS |
| URB_YMD-30WR3 | 30W | 18-75 | 5, 12, 15, 24 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS CE ㉔ |
| URB_YMD-40WR3 | 40W | 9-36, 18-75 | 3, 3, 5, 12, 15, 24, 28 | 1500VDC | 25.40x25.40x11.70 | DIP | RoHS |

1x1inch

DIP Package



| | | | | | | | |
|--------------|-----|-------------|------------------------|---------|-------------------|--------------|----------------|
| URE_LP-10WR3 | 10W | 9-36, 18-75 | ±5, ±12, ±15 | 3000VDC | 51.50x26.50x12.00 | DIP, plastic | RoHS ㉔ CE CB ㉔ |
| URF_LP-10WR3 | 10W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 3000VDC | 51.50x26.50x12.00 | DIP, plastic | RoHS ㉔ CE CB ㉔ |
| URF_LP-20WR3 | 20W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 3000VDC | 51.50x26.50x12.00 | DIP, plastic | RoHS ㉔ CE CB ㉔ |
| URH_LP-20WR3 | 20W | 9-36, 18-75 | 3, 3, 5, 12, 15, 24 | 5000VAC | 51.50x26.50x12.00 | DIP, plastic | RoHS CE ㉔ |
| URA_LD-20WR3 | 20W | 9-36, 18-75 | ±5, ±9, ±12, ±15 | 1500VDC | 50.80x25.40x11.80 | DIP, metal | RoHS ㉔ CE CB ㉔ |
| URB_LD-20WR3 | 20W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 50.80x25.40x11.80 | DIP, metal | RoHS ㉔ CE CB ㉔ |
| URD_LD-20WR3 | 20W | 18-75 | 5/5, 5/12, 5/24 | 3000VDC | 50.80x25.40x11.80 | DIP, metal | RoHS CE ㉔ |
| URA_LD-30WR3 | 30W | 9-36, 18-75 | ±5, ±12, ±15, ±24 | 1500VDC | 50.80x25.40x11.80 | DIP, metal | RoHS CE ㉔ |
| URB_LD-30WR3 | 30W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 50.80x25.40x11.80 | DIP, metal | RoHS ㉔ CE CB ㉔ |
| URD_D-30WR3 | 30W | 18-75 | 5/24 | 3000VAC | 70.00x48.00x26.00 | DIP, metal | RoHS |

2x1inch



| | | | | | | | |
|---------------|------|--------------------|------------------------------|---------|-------------------|-----|-----------|
| URF_QB-75WR3 | 75W | 18-75 | 5, 12, 15, 24, 48 | 2250VDC | 62.00x56.00x14.60 | DIP | RoHS CE ㉔ |
| URF_QB-100WR3 | 100W | 9-36, 18-75, 19-75 | 3, 3, 5, 12, 15, 24, 28, 48 | 2250VDC | 62.00x56.00x14.60 | DIP | RoHS CE ㉔ |
| URF_QB-150WR3 | 150W | 18-75 | 5, 12, 15, 24, 48 | 2250VDC | 62.00x56.00x14.60 | DIP | RoHS CE ㉔ |
| URF_QB-200WR3 | 200W | 18-75 | 5, 12, 15, 24, 36, 42, 5, 48 | 2250VDC | 62.00x56.00x14.60 | DIP | RoHS CE ㉔ |

1/4 Brick

Ultra-thin



| | | | | | | | |
|-----------------|-----|-------------|------------------------|---------|-------------------|---------|----------------|
| URB_MT-3WR3 | 3W | 9-36, 18-75 | 3, 3, 5, 9, 12, 15, 24 | 1500VDC | 19.20x18.10x10.16 | SMD | RoHS ㉔ CE ㉔ |
| URB_J(M)D/T-3W | 3W | 4.5-9-9-36 | 3, 3, 5, 12, 15, 24 | 1500VDC | 26.20x16.40x6.80 | DIP/SMD | RoHS CE ㉔ |
| URB_J(M)D/T-10W | 10W | 9-36 | 5, 12, 15, 24 | 1500VDC | 41.40x22.00x7.00 | DIP/SMD | RoHS ㉔ CE CB ㉔ |
| URB_J(M)D/T-15W | 15W | 9-36, 18-75 | 3, 3, 5, 12, 15 | 1500VDC | 39.90x29.50x6.80 | DIP/SMD | RoHS CE ㉔ |



DC/DC converter specialized for TELECOM

| Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Dimension (mm) | Package | Markings |
|-----------------------|-------|--------------------------|-------------------------|-----------|-------------------|---------|---------------------|
| VCB48_S0-3WR3 | 3W | 36-75 | 5, 12, 15, 24 | 1500VDC | 22.00x12.80x8.20 | SIP | RoHS CE ㉔ |
| VCB48_S0-6WR3 | 6W | 36-75 | 5, 12, 15, 24 | 1500VDC | 22.00x12.80x8.20 | SIP | RoHS CE ㉔ |
| VCB-SBO-10WR3 | 10W | 36-75 | 5, 12, 15, 24 | 1500VDC | 33.02x22.86x11.40 | DIP | RoHS CE ㉔ |
| VCB-SBO-20WR3 | 20W | 36-75 | 3, 3, 5, 12, 15, 24, 28 | 1500VDC | 33.02x22.86x12.60 | DIP | RoHS CE ㉔ |
| VCB-SBO-30WR3 | 30W | 36-75 | 5, 12, 15, 24, 28 | 1500VDC | 33.02x22.86x9.18 | DIP | RoHS CE ㉔ |
| VCB-SBO-50WR3(-N) | 50W | 36-75 | 5, 12 | 1500VDC | 33.02x22.86x9.70 | DIP | RoHS CE ㉔ |
| VCB-SBO-75(F)R3(-N) | 75W | 36-75 | 5, 12, 28 | 1500VDC | 33.02x22.86x9.75 | DIP | RoHS CE ㉔ (Pending) |
| VCB-SBO-100W(F)R3(-N) | 100W | 36-75 | 5, 12, 28 | 1500VDC | 33.02x22.86x9.75 | DIP | RoHS CE ㉔ (Pending) |
| VCF-EBO-50W(F)R3(-N) | 50W | 36-75 | 5, 12 | 2250VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCF-EBO-75W(F)R3(-N) | 75W | 36-75 | 5, 12 | 2250VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCB-EBO-100W(F)R3 | 100W | 36-75 | 5, 12, 15, 24, 28 | 1500VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCF-EBO-100W(F)R3(-N) | 100W | 36-75 | 5, 12 | 2250VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCF-EBO-120W(F)R3(-N) | 120W | 36-75 | 5, 12 | 2250VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCF-EBO-150W(F)R3(-N) | 150W | 36-75 | 5, 12 | 2250VDC | 58.42x22.86x9.69 | DIP | RoHS CE ㉔ (Pending) |
| VCB-QBO-200WR3(-N) | 200W | 36-75 | 5, 12, 15, 24 | 1500VDC | 57.90x36.80x10.05 | DIP | RoHS CE ㉔ (Pending) |
| VCF-QBO-400W(F)R3(-N) | 400W | 36-75 | 12, 15, 24, 28 | 2250VDC | 57.90x36.80x12.90 | DIP | RoHS CE ㉔ (Pending) |

DC/DC converter specialized for RAILWAY

| Series | Power | Input Voltage Range(VDC) | Output Voltage (VDC) | Isolation | Package | Dimension (mm) | Markings |
|--------------------|-------|--------------------------|---------------------------------|-----------|------------------|--------------------|---------------------|
| URA1D_YMD-6WR3 | 6W | 40-160 | ±5, ±12, ±15 | 2250VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ |
| URB1D_YMD-6WR3 | 6W | 40-160 | 5, 12, 15, 24 | 2250VDC | DIP | 25.40x25.40x11.70 | RoHS CE ㉔ |
| URA1D_(X)LMD-10WR3 | 10W | 40-160 | ±5, ±12, ±15 | 2250VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ |
| URB1D_LMD-10WR3 | 10W | 40-160 | 3, 3, 5, 12, 15, 24 | 2250VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ |
| URB1D_LMD-15WR3 | 15W | 40-160 | 3, 3, 5, 12, 15, 24 | 2250VDC | DIP | 50.80x25.40x11.80 | RoHS ㉔ CE CB ㉔ |
| URB1D_LMD-20WR3 | 20W | 40-160 | 3, 3, 5, 12, 15, 24 | 2250VDC | DIP | 50.80x25.40x11.80 | RoHS ㉔ CE CB ㉔ |
| URB1D_LD-20WR3 | 20W | 40-160 | 3, 3, 5, 12, 15, 24 | 2250VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ |
| URE1D_LD-20WR3 | 20W | 40-160 | ±12, ±15, ±24 | 3000VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ |
| URF1D_LD-40WR3 | 40W | 40-160 | 3, 3, 5, 12, 15, 24, 48 | 3000VDC | DIP | 50.80x25.40x11.80 | RoHS CE ㉔ |
| URF1D_QB-50WR3 | 50W | 43-160 | 3, 3, 5, 12, 15, 24, 48 | 3000VAC | DIP | 60.80x39.20x12.70 | RoHS CE ㉔ |
| URF1D_QB-75WR3 | 75W | 43-160 | 3, 3, 5, 12, 15, 24, 48 | 3000VAC | DIP | 60.80x39.20x12.70 | RoHS CE ㉔ |
| URF1D_QB-100WR3 | 100W | 43-160 | 3, 3, 5, 12, 15, 24, 48 | 3000VAC | DIP | 60.80x39.20x12.70 | RoHS CE ㉔ |
| URF1D_HB-150WR3 | 150W | 43-160 | 5, 12, 15, 24, 48 | 3000VAC | DIP | 61.00x58.00x13.80 | RoHS CE ㉔ |
| URF1D_HB-250WR3 | 250W | 40-160 | 5, 12, 15, 24, 48, 54 | 3000VAC | DIP | 61.00x57.90x13.80 | RoHS CE ㉔ |
| URF1D_HB-250WR3A7 | 250W | 43-160 | 5, 12, 15, 24, 48, 54 | 3000VAC | Chassis mounting | 165.00x78.00x41.50 | RoHS CE ㉔ |
| URF1D-FB-400W(H)R3 | 400W | 66-160 | 5, 9, 12, 15, 24, 28, 48, 54 | 3000VAC | DIP | 116.80x61.00x13.00 | RoHS CE ㉔ (Pending) |
| UWTH1D-P-6WR3 | 6W | 14-160 | 3, 3, 5, 12, 15, 24 | 3000VAC | DIP 24 | 31.60x20.30x12.50 | RoHS CE CB ㉔ |
| UWTH1D-LD-10WR3 | 10W | 14-160 | 3, 3, 5, 12, 15, 24, 28, 48, 54 | 3000VAC | 2x1 inch | 50.80x25.40x11.80 | RoHS CE CB ㉔ |
| UWTH1D-LD-20WR3 | 20W | 14-160 | 3, 3, 5, 12, 15, 24, 28, 48, 54 | 3000VAC | 2x1 inch | 50.80x25.40x11.80 | RoHS CE CB ㉔ |
| UWTH1D-LD-30WR3 | 30W | 14-160 | 5, 12, 15, 24, 28, 48, 54 | 3000VAC | 2x1 inch | 50.80x25.40x11.80 | RoHS CE CB ㉔ |
| UWTH1D-QB-50WR3S | 50W | 14-160 | 12, 15, 24, 28, 48, 54 | 3000VAC | DIP | 57.90x36.80x12.70 | RoHS CE CB ㉔ |
| UWTH1D-QB-100WR3 | 100W | 14-160 | 12, 15, 24, 28, 48, 54 | 3000VAC | DIP | 57.90x36.80x12.70 | RoHS CE CB ㉔ |
| UWTH1D-HB-100WR3 | 100W | 14-160 | 12, 24, 28, 48, 54 | 3000VAC | DIP | 62.00x37.80x14.00 | |

DC/DC converter for SiC gate driver

| Series | Input Voltage (VDC) | Input Voltage Range(VDC) | Positive/Negative Output(VDC) | Output Current(mA) | Effi(%)(Typ) | Isolation | Markings |
|---------------|---------------------|--------------------------------|-------------------------------|---------------------------------|--------------|-----------|----------|
| QAx3C-1504R3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +15/-4 | +120/-120 | 87 | 5000VAC | RoHS |
| QAx3HC-1504R3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +15/-4 | +120/-120 | 87 | 5000VAC | RoHS |
| QAx3C-2005R3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +20/-5 | +90/-90 | 87 | 5000VAC | RoHS |
| QAx3HC-2005R3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +20/-5 | +90/-90 | 87 | 5000VAC | RoHS |
| QAx1C | 5/12/15 | 4.5-5.5,10.8-13.2, 13.5-16.5 | +15/+18/+20 -3/-3.5/-4/-5 | +80/-40,+100/-100, +111/-111 | 82 | 3500VAC | RoHS |
| QAx1C-20 | 12/24 | 10.8-13.2, 21.6-26.4 | +20/-4/-5 | +100/-100 | 80 | 3500VAC | RoHS |

DC/DC converter for IGBT driver

| Series | Input Voltage (VDC) | Input Voltage Range(VDC) | Positive/Negative Output(VDC) | Output Current(mA) | Effi(%)(Typ) | Isolation | Markings |
|--------------|---------------------|--|-------------------------------|-----------------------------------|--------------|-----------|----------|
| QAx3-1509R3 | 5/12/15/24 | 4.5-5.5,10.8-13.2, 13.5-16.5,21.6-26.4 | +15/-8.7,+15/-9 | +80/-40,+100/-100 | 87 | 5000VAC | RoHS |
| QAx3H-1509R3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +15/-9 | +100/-100 | 87 | 5000VAC | RoHS |
| QAx3D-2GR3 | 12/15/24 | 10.8-13.2,13.5-16.5, 21.6-26.4 | +24/+24 | +100/+100 | 88 | 5000VAC | RoHS |
| QA0x | 12/15/24 | 9-15,11.6-12.4,14.5-15.5, 23.3-24.7 | +9/+15/+17 -8/-8.7/-9 | +55/-55,+80/-40, +100/-80,+111 | 80 | 3000VAC | RoHS |
| QAx1 | 12/15/24 | 11.4-12.6,14.25-15.75, 22.8-25.2 | +15/-8 | +120/-120 | 81 | 3000VAC | RoHS |
| QAWxx | 12/24 | 9-18,18-36 | +15/-9 | ±200/±10 | 85 | 3000VDC | RoHS |
| CQAW01 | 12 | 7-18 | +15/-9 | ±200/±10 | 83 | 3000VDC | RoHS |

Hybrid integrated IGBT driver

| Series | VCE (max.) | Power Supply VCC(VDC) | Power Supply VEE(VDC) | Gate Voltage | Output Peak Current | Max. Frequency | Isolation | Markings |
|--------------|------------|-----------------------|-----------------------|--------------|---------------------|----------------|-----------|----------|
| QC962-8A | 1700V | 15 | -10 | +14V/-9V | ±8A | 40KHz | 3750VAC | RoHS |
| QP12W08S-37 | 1700V | 15 | Built-in | +15V/-9V | ±8A | 20KHz | 3750VAC | RoHS |
| QP12W08S-37A | 1700V | 12 | Built-in | +15V/-9V | ±8A | 20KHz | 3750VAC | RoHS |

Contacting control module

| Series | Apparent Power | Control Voltage | Rated Operational Current | No-load Switching Frequency | Markings |
|------------|----------------|-----------------|---------------------------|-----------------------------|----------|
| KM95-C0-0 | 6.5VA | 90-275 VAC/VDC | 95A | 3600 times/h | RoHS |
| KM115-C0-0 | 6.5VA | 75-305 VAC/VDC | 115A | 3600 times/h | RoHS |

EMC auxiliary device

| Series | Function | Input Voltage Range | Max. Output Power /Current | Mounting | Markings |
|----------------|------------------------------------|---------------------|----------------------------|---------------------|----------|
| FC-AX3D | DC/DC EMC Filter | 10-36VDC | 30W | PCB/Din-rail/Wiring | RoHS |
| FC-B02D | DC/DC EMC Filter | 18-75VDC | 30W | PCB/Din-rail/Wiring | RoHS |
| FC-D03D | DC/DC EMC Filter | 18-36VDC | 50W | PCB/Din-rail/Wiring | RoHS |
| FC-E03D | DC/DC EMC Filter | 36-75VDC | 75W | PCB/Din-rail/Wiring | RoHS |
| FC-A01D | DC/DC EMC Filter | 9-36VDC | 1A | PCB/Din-rail/Wiring | RoHS |
| FC-B01D | DC/DC EMC Filter | 18-75VDC | 1A | PCB/Din-rail/Wiring | RoHS |
| FC-C08D | DC/DC EMC Filter | 14-160VDC | 8A | PCB/Din-rail/Wiring | RoHS |
| FC-C01D | EMC filter specialized for Railway | 40-160VDC | 10W | PCB/Din-rail/Wiring | RoHS |
| FC-CX1D | EMC filter specialized for Railway | 40-160VDC | 30W | PCB/Din-rail/Wiring | RoHS |
| FC-C03D | EMC filter specialized for Railway | 40-160VDC | 50W | PCB/Din-rail/Wiring | RoHS |
| FT-AX1D | DC/DC Pulse Group Suppressor | 0-40VDC | 1.5A | PCB/Din-rail/Wiring | RoHS |
| FT-BX1D | DC/DC Pulse Group Suppressor | 0-80VDC | 1.5A | PCB/Din-rail/Wiring | RoHS |
| FS-TD01D | 485-AB Bus Surge Protection Module | 0-5VDC | 0.1A | PCB | RoHS |
| FL2D-xx-xxx | Common Mode Filter | / | 0.5A/1A/3A/6A/12A/40A | PCB | RoHS |
| FL2D-50/80-xxx | Common Mode Filter | / | 5A/8A | PCB | RoHS |
| FC-LxxD | AC/DC EMC Filter | 85-305VAC | 1.5A | PCB | RoHS |
| FC-L03(x) | AC/DC EMC Filter | 0-305VAC | 3.0A | Din-rail | RoHS |

Isolated CAN bus transceiver module

| Series | Package | Integrated Power | Type | Protocol | Input Voltage | Baud Rate | Nodes | Markings |
|-----------------|---------|------------------|---------------------------|----------|---------------|-----------|-------|----------|
| TDA51SCANHC | SOIC | YES | High-rate | CAN | 5VDC | 1Mbps | 110 | RoHS |
| TD(H)3/541SCANH | DFN | YES | High-rate | CAN | 3.3/5VDC | 40k-1M | 110 | RoHS |
| TD(H)541SCANFD | DFN | YES | High-rate | CANFD | 3.3/5VDC | 40k-5M | 110 | RoHS |
| TD041SCANH | DFN | NO | High-rate | CAN | 3.3VDC,5VDC | 40k-1M | 110 | RoHS |
| TD041SCANFD | DFN | NO | High-rate | CANFD | 3.3VDC,5VDC | 40k-5M | 110 | RoHS |
| TD3/531SCANH | SMD | YES | High-rate | CAN | 3.3/5VDC | 40k-1M | 110 | RoHS |
| TD3/531SCANFD | SMD | YES | High-rate | CANFD | 3.3/5VDC | 40k-5M | 110 | RoHS |
| CTD3/531SCANH | SMD | YES | Automotive & High-rate | CAN | 3.3/5VDC | 40k-1M | 110 | RoHS |
| TD3/521SCAN(H) | SMD | YES | Universal | CAN | 3.3/5VDC | 5k-1M | 110 | RoHS |
| TD3/52xDCAN | DIP | YES | Universal | CAN | 3.3/5VDC | 5k-1M | 110 | RoHS |
| TDH3/501DCANH3 | DIP | YES | High-rate | CAN | 3.3/5VDC | 5k-1M | 110 | RoHS |
| TDH3/501DCAN | DIP | YES | High-isolated & High-rate | CAN | 3.3/5VDC | 5k-1M | 110 | RoHS |
| TD3/501DCANH-W | DIP | YES | Wake-up & High-rate | CAN | 3.3/5VDC | 40k-1M | 110 | RoHS |
| TD3/501MCAN | DIP | YES | Ultra-compact Size | CAN | 3.3/5VDC | 40k-1M | 110 | RoHS |

Isolated RS-485 transceiver module

| Series | Package | Integrated Power | Type | Protocol | Input Voltage | Baud Rate | Nodes | Markings |
|------------------------|---------|------------------|---------------------------------|----------|---------------|-----------|-------|----------|
| TDA51S485HC | SOIC | YES | High-rate & Half-duplex | 485 | 5VDC | 500kbps | 256 | RoHS |
| TD(H)3/541S485H(S) | DFN | YES | (Ultra) High-rate & Half-duplex | 485 | 3.3/5VDC | 20Mbps | 256 | RoHS |
| TD(H)3/541S485H-A | DFN | YES | Automatic send/receive | 485 | 3.3/5VDC | 500kbps | 256 | RoHS |
| TD041S485H(S) | DFN | NO | (Ultra) High-rate & Half-duplex | 485 | 3.3VDC,5VDC | 1Mbps | 256 | RoHS |
| TD041S485H-A | DFN | NO | Automatic send/receive | 485 | 3.3VDC,5VDC | 500kbps | 256 | RoHS |
| TD041S485S-F(1) | DFN | NO | High-rate & Full-duplex | 485/422 | 3.3VDC,5VDC | 20Mbps | 256 | RoHS |
| TD(H)3/541S485S-F(T/1) | DFN | YES | High-rate & Full-duplex | 485/422 | 3.3/5VDC | 20Mbps | 256 | RoHS |
| TD331S485(H/H-A/H-E) | SMD | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD531S485(H/H-A/H-E) | SMD | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD321S485(H/H-A/H-E) | SMD | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD521S485(H/H-A/H-E) | SMD | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD321D485(H/H-A/H-E) | DIP | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD521D485(H/H-A/H-E) | DIP | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD301D485(H/H-A/H-E) | DIP | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TD501D485(H/H-A/H-E) | DIP | YES | High-rate & Half-duplex | 485 | 3.3/5VDC | 500kbps | 128 | RoHS |
| TDH301D485H(H2/H-E) | DIP | YES | High-isolated & Half-duplex | 485 | 3.3/5VDC | 500kbps | 256 | RoHS |
| TDH501D485H(H2/H-E) | DIP | YES | High-isolated & Half-duplex | 485 | 3.3/5VDC | 500kbps | 256 | RoHS |
| TD3/501M485 | DIP | YES | Ultra-compact Size | 485 | 3.3/5VDC | 500kbps | 64 | RoHS |

Isolated RS-232 transceiver module

| Series | Package | Integrated Power | Type | Protocol | Input Voltage | Baud Rate | Nodes | Markings |
|-----------------|---------|------------------|-----------|----------|---------------|-----------|-------|----------|
| TD(H)3/541S232H | DFN | YES | High-rate | 232 | 3.3/5VDC | 120kbps | 1 | RoHS |
| TD041S232H | DFN | NO | High-rate | 232 | 3.3VDC,5VDC | 120kbps | 1 | RoHS |
| TD3/531S232H | SMD | YES | High-rate | 232 | 3.3/5VDC | 115.2kbps | 1 | RoHS |
| TD3/501D232H | DIP | YES | High-rate | 232 | 3.3/5VDC | 115.2kbps | 1 | RoHS |

UART/SPI-CAN protocol conversion module

| Series | Function | Input Voltage | Baud Rate | Nodes | Markings |
|-----------|---------------------|---------------|-----------|-------|----------|
| TD3USPCAN | Protocol Conversion | 3.15-3.45VDC | 5k-1Mbps | 110 | RoHS |
| TD5USPCAN | Protocol Conversion | 4.75-5.25VDC | 5k-1Mbps | 110 | RoHS |

More Products

Analog signal conditioning module

| Series | Function | Input Signal | Output Signal | Isolation | Markings |
|----------|--|--|--|-----------|-----------|
| TE_N | Active High-precision Input Signal Conditioning | 0-1V/0-5V/0-10V/0-20mA/4-20mA | 0-1V/0-2.5V/0-3.3V/0-5V/0-10V/1-5V | 2000VAC | RoHS CE 爆 |
| TEM_N | Active High-precision Millivolt-Input Signal Conditioning | ±50mV/±75mV/±100mV/±200mV | 0-5V/±5V/±10V | 2000VAC | RoHS CE 爆 |
| TF_N | Active High-precision Output Signal Conditioning | 0-3.3V/0-5V/0-10V | 0-5V/0-10V/0-20mA/4-20mA | 2000VAC | RoHS CE 爆 |
| TFW_N | Active High-precision PWM-Output Signal Conditioning | PWM (0-100%) | 0-5V/0-10V/0-20mA | 2000VAC | RoHS CE 爆 |
| T_P | Active High-precision Well-rounded Signal Conditioning | 0-10V/1-5V/0-20mA/4-20mA | 0-2.5V/0-5V/0-10V/1-5V/0-20mA/4-20mA | 2500VDC | RoHS CE 爆 |
| TM_P | Active High-precision Millivolt & Well-rounded Signal Conditioning | 0-10mV/0-20mV/0-30mV/0-50mV/0-75mV/0-100mV | 0-2.5V/0-3.3V/0-5V/0-10V/0-20mA/4-20mA | 2500VDC | RoHS |
| T1100N | Passive High-precision Signal Conditioning | 4-20mA | 4-20mA | 3000VDC | RoHS CE 爆 |
| T1100L | Passive High-precision Signal Conditioning | 4-20mA | 4-20mA | 3000VDC | RoHS CE 爆 |
| T1100L-F | Passive Loop Power Supply Signal Conditioning | 4-20mA | 4-20mA | 3000VDC | RoHS CE 爆 |
| T_HL | Two-wire Loop Power Supply Signal Isolation(with HART) | 0-2.5V | 3.7-22mA | 2000VAC | RoHS CE 爆 |
| T_L | Two-wire Loop Power Supply Signal Isolation | 0-2.5V | 3.7-22mA | 2000VAC | RoHS CE 爆 |
| TRP_P | Input Signal Conditioning (Thermistor) | Pt100 | 0-2.5V/4-20mA | 2000VAC | RoHS CE 爆 |

Current transducer

| Series | Function | Structure | Input Voltage | Current Measurement Range | Turn Ratio | Markings |
|-------------|---|-----------|---------------|---------------------------|------------|----------|
| TLAxxx-S | High-precision Hall Current Transformer | Reel | ±12/±5VDC | ±100A to ±1000A | 1:2000 | RoHS |
| TLxx-A3PV | PCB Current Transformer | PCB | 5V | 6A/15A/25A/50A | 1:1600 | RoHS |
| TLxxx-A2PV | PCB Current Transformer | PCB | 5V | 100A/150A/200A | 1:1800 | RoHS |
| TLxxx-A2TPV | PCB Current Transformer | PCB | 5V | 100A/150A/200A | 1:1800 | RoHS |
| TLB1506-P | Type-B Leakage Protector Control IC | DFN | 5V | / | / | RoHS |

LED driver

| Series | Input Voltage Range | Output Voltage (VDC) | Output Current (mA) | Effi(%) (Typ) | Package | Markings |
|------------|---------------------|----------------------|---------------------|---------------|---------|-----------|
| KC24H-1000 | 5.5-48VDC | 3.3-36 | 1000 | 97 | DIP | RoHS |
| KC24H-1200 | 5.5-48VDC | 3.3-36 | 1200 | 97 | DIP | RoHS |
| KC24H-R | 5.5-46VDC | 3.3-36 | 300,350,500,600,700 | 95 | DIP | RoHS |
| KC24W | 5.5-48VDC | 3.3-36 | 300,350,500,600,700 | 96 | DIP | RoHS |
| KC24RT | 5.5-48VDC | 3.3-36 | 300,350,500,600,700 | 96 | SMD | RoHS |
| KC24JT-R3 | 6-36VDC | 3.3-36 | 300,700 | 94 | SMD | RoHS CE 爆 |

Transformer

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Output Channels | Control Mode | Bobbin | Package | Isolation | Markings |
|---------------|-------|---------------------|----------------------|-----------------|--------------|--------|---------|-----------|----------|
| TSHT5.8-01 | 1W | 4.5-5.5VDC | 5 | 1 | push-pull | / | SMD | 3000VDC | RoHS |
| TTB05xx-1T | 1W | 4.5-5.5VDC | 3.3,5,9 | 1 | push-pull | / | SMD | 1650VDC | RoHS |
| TTURB-6T | 6W | 9-36,18-75VDC | 3.3,5,9,12,15,24 | 1 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| TTURA-10T | 10W | 9-36,18-75VDC | ±5,±15 | 2 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| TTURB-10T | 10W | 9-36,18-75VDC | 5 | 1 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| TTURB-20T | 20W | 9-36VDC | 5 | 1 | flyback | ER14.5 | SMD | 1650VDC | RoHS |
| TTL503-15B-T | 3W | 85-305VAC | 5,12 | 1 | flyback | EPC13 | SMD | 3000VAC | RoHS |
| TTLDE05-20B-D | 5W | 85-264VAC | 5,12 | 1 | flyback | EE10 | SIP | 4000VAC | RoHS |
| TTLHE10-20B-D | 10W | 85-264VAC | 5,12 | 1 | flyback | EFD15 | SIP | 3000VAC | RoHS |
| TTLHE20-20B-D | 20W | 85-264VAC | 12 | 1 | flyback | EFD20 | SIP | 4000VAC | RoHS |
| TTLHE25-20B-D | 25W | 85-264VAC | 12 | 1 | flyback | EFD25 | SIP | 4000VAC | RoHS |

Transformer for automotive (Meet AEC-Q200 standard)

| Series | Power | Input Voltage Range | Output Voltage (VDC) | Output Channels | Control Mode | Bobbin | Package | Isolation | Markings |
|------------|-------|---------------------|----------------------|-----------------|--------------|--------|---------|-----------------|----------|
| CTTF-1T | 1W | 4.5-5.5VDC | 5 | 1 | push-pull | / | SMD | 3000VDC | RoHS |
| CTTFB-1T | 1W | 4.5-5.5VDC | 5 | 1 | push-pull | / | SMD | 3000VAC/4250VDC | RoHS |
| CTTURB-6T | 6W | 9-36VDC | 5 | 1 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| CTTURA-10T | 10W | 9-36,18-75VDC | ±5,±15 | 2 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| CTTURB-10T | 10W | 9-36,18-75VDC | 5 | 1 | flyback | ER11.5 | SMD | 1650VDC | RoHS |
| CTTURB-20T | 20W | 9-36VDC | 5 | 1 | flyback | ER14.5 | SMD | 1650VDC | RoHS |

More Products

AC/DC control IC

| Series | Package | Power/Output Current | Input Voltage | Topology | Fsw (kHz) |
|------------|---------|----------------------|---------------------|----------|-----------|
| SCM1707ASA | SOP-8 | ≤10W | 18-305VAC/18-430VDC | Flyback | 110 |
| SCM1710BSA | SOP-8 | ≤60W | / | Flyback | 110 |
| SCM1733ASA | SOP-8 | ≤20W | / | Flyback | 70 |
| SCM1738ASA | SOP-7 | ≤8W | / | Flyback | 110 |

DC/DC control IC

| Series | Package | Power/Output Current | Input Voltage | Topology | Fsw (kHz) |
|--------------|-----------|----------------------|---------------|---------------------------|-----------|
| SCM1101AMA | MSOP-8 | / | 9-75VDC | Flyback | 480 |
| SCM1102CMA | MSOP-8 | / | 4-36VDC | Flyback | 500 |
| SCM1103CMA | MSOP-8 | / | 9-75VDC | Flyback | 500 |
| SCM1201BTA | TSOT-23-6 | ≤2W | 2.7-5.5VDC | Push-pull | 245 |
| SCM1209ATA | TSOT-23-6 | ≤3W | 9-24VDC | Push-pull | 282 |
| SCM1212BTA | SOT23-5 | ≤2W | 2.7-5.5VDC | Push-pull | 245 |
| SCM1212BTA-Q | SOT23-5 | ≤2W | 2.7-5.5VDC | Push-pull | 245 |
| SCM2306ATA | SOT23-6 | / | 4-7VDC | Synchronous rectification | / |

Non-isolated control IC

| Series | Package | Power/Output Current | Input Voltage | Topology | Fsw (kHz) |
|------------|---------|----------------------|---------------|------------------|-----------|
| SCM1301ATA | SOT23-6 | ≤1A | 4.5-40VDC | Synchronous buck | 850 |
| SCM1316AFA | QFN5*5 | ≤6A | 7-38VDC | Synchronous buck | 300 |
| SCM1331ASA | eSOP-8 | ≤2A | 4.5-40VDC | Synchronous buck | 1500 |

Transceiver IC

| Series | Package | Integrated Power Supply | Input Voltage | Isolation Voltage | Transmission speed |
|------------|---------|-------------------------|---------------|-------------------|--------------------|
| SCM3406ASA | SOP-8 | N | 3-5.5VDC | / | 10M |
| SCM3425ASA | SOIC | N | 4.5-5.5VDC | / | 5M |

Digital isolator IC

| Series | Package | Integrated Power Supply | Input Voltage | Isolation Voltage | Transmission speed |
|------------|---------|-------------------------|---------------|-------------------|--------------------|
| SCM3721ASA | SOP-8 | N | 3-5.5VDC | 3kVrms | 150k |
| SCM3723ASA | SOP-8 | N | 3-5.5VDC | 3kVrms | 150k |
| SCM3725ASA | SOP-8 | N | 3-5.5VDC | 3kVrms | 10M |
| SCM3728ASA | SOP-8 | N | 3-5.5VDC | 3kVrms | 10M |

Others

| Series | Package | Input Voltage | Application |
|------------|----------------|---------------|--|
| SCM1725ASA | SOP-7 | / | Cost-controlled switching power supply control chip |
| SCM3560ATA | SOT-23-G | 3-24VDC | Electromagnetic buzzer driver control chip |
| SCM4101ATA | SOT-223 | / | N-MOS |
| SCM9301ATA | SOT23-6 | 6-30VDC | Low-side voltage output current detection amplifier chip |
| SCM9601ATA | SOT-23 | 40-700VDC | High voltage start up chip |
| SCM9602ATA | SOT-23 | 40-700VDC | High voltage start up chip |
| SCM9603BTA | SOT-23-G | 4-100VDC | High voltage start up chip |
| SCM9604AFA | DFNWB2x3-6L-SA | 4-100VDC | High voltage start up chip |

Caution

■ Purpose:

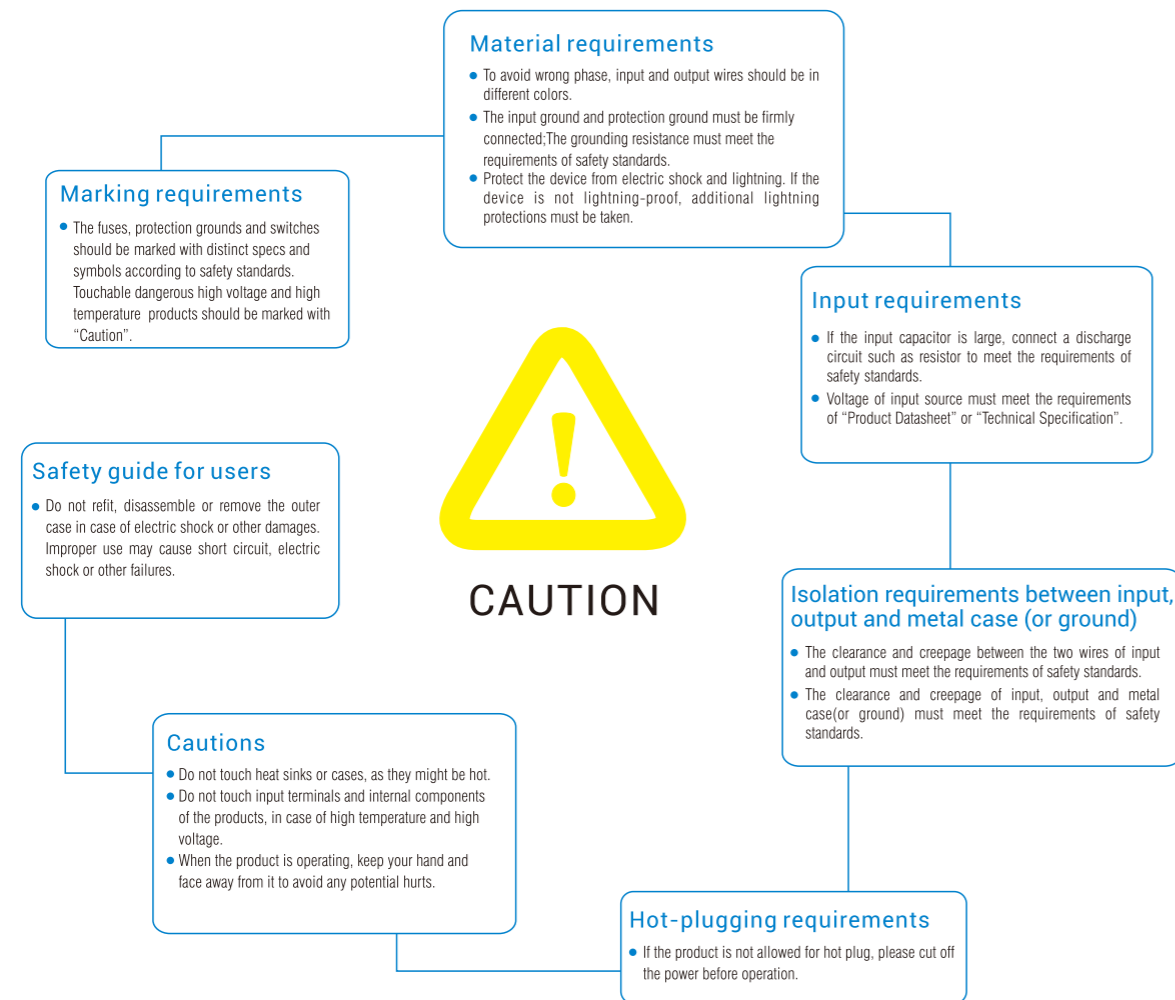
To prevent potential safety problems while using the products.

■ Scope:

AC/DC, DC/DC, EMC Auxiliary Device, Isolation Transmitter, LED Driver and IGBT Driver manufactured by Mornsun Guangzhou Science & Technology Co., Ltd.

■ Contents:

Users should comply to all the contents of Product Datasheet carefully before selection, design, or production, and design and use the products according the requirements of Product Datasheet.



More information about application, please contact us.

Tel: 020-38601850 E-mail: fae801@mornsun.cn

15-1500W

Enclosed Switching Power Supply



Website



Reliable performance



Low cost



Fast delivery

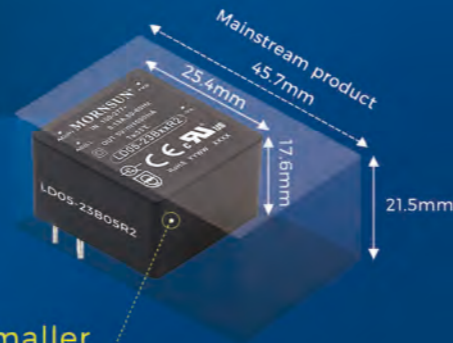


20+ years experience

LD-R2 Series

3-30W AC/DC Converter

- Compact
- Cost-effective
- Reliable



54.5% smaller
Size And Cost Reduction

Power Solution for EV Charging Station

- AC charging
- DC charging



MORNSUN 3-30W LD-R2 series are ultra-compact and cost-effective AC/DC converters for applications with space limitation. These modules have a universal input voltage of 85-305VAC or 100-430VDC and an operating temperature range of -40°C to +85°C, which make them also suitable for a wide range of commercial and industrial applications.

Applications



Industrial



IoT devices



Smart homes



Smart agriculture

Advantages of LD-R2 Series



Ultra-wide input voltage
85-305VAC
100-430VDC



IEC/EN/UL62368
OVC III



EMI: Class B
EFT: ±2KV
Surge: Line-Line ±1KV



Operating temperature
-40°C to +85°C



No-load power
consumption < 0.1W



Compact size
1x1 inch (3W,5W)

With the shift to renewable energy, the encouragement of governments, and the increasing investment from car companies, the quantity of global electric vehicle (EV) charging infrastructures is growing at a boost speed. MORNSUN has a line of power products engineered for charging station applications to meet various needs of our customers and address the challenge of the latest in EV charging technology.

Power modules in AC Charging Station and DC charging station

| Charging Stations | AC Level 1 | AC Level 2 | Level 3 (DCFC) |
|---------------------------------|--|---|--|
| Sections | Control system | Control system | 1. Control system 2. Off-board charger |
| Considerations of power design | Compact size Operating temperature EMI | Compact size Operating temperature EMI, Surge | Voltage fluctuation EMI, Surge Operating temperature |
| Recommended AC/DC power modules | 5W LS05-R3 series 5W LD05-R2 series 10W LD-R2 series 10W LS10-R3 series | 10-90W LD-R2 series 40-60W LH(E)-R2 series | 15-1500W LM/LMF series 120-960W LIMF/LIHF/LITF series |
| Recommended DC/DC power modules | Switching regulator K78-R3 series Axxxx-1WR3 H-S-1WR3 TD485 | | Switching regulator K78-R3 series QA for IGBT/SiC mosfet driver 40-200W PV series H-S-1WR3 TDCAN/TD485 |



Website



Website

305RAC

••••• Reliable under All Conditions •••••

RAC (Reliable under All Conditions) • AC/DC Converter

Best-in-class performance. Handle the voltage fluctuation easily. High-input-voltage capability, high-low-temperature reliability, high-humidity reliability, high-altitude reliability and good EMC performance under almost any harsh conditions.



Handle voltage fluctuations easily with 85-305VAC input



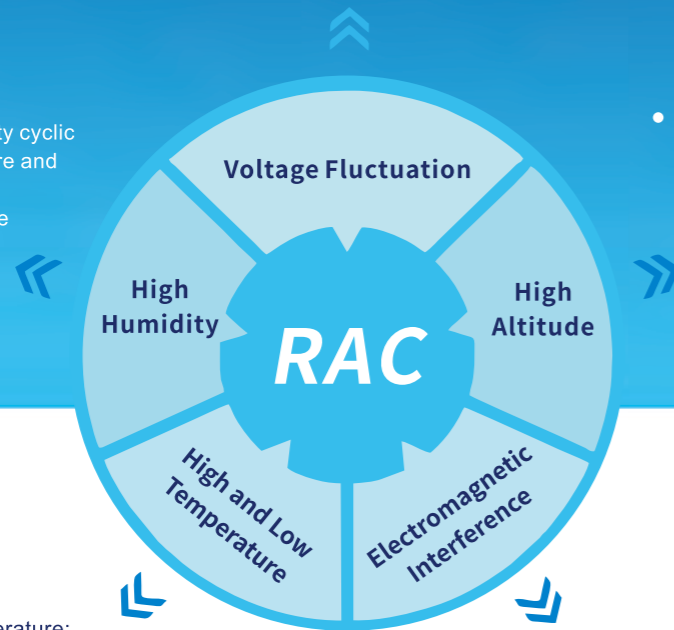
Best-in-class performance



Widely used in almost any harsh conditions

- Input voltage may rise above 264VAC when voltage fluctuation caused by load change or power source as generator

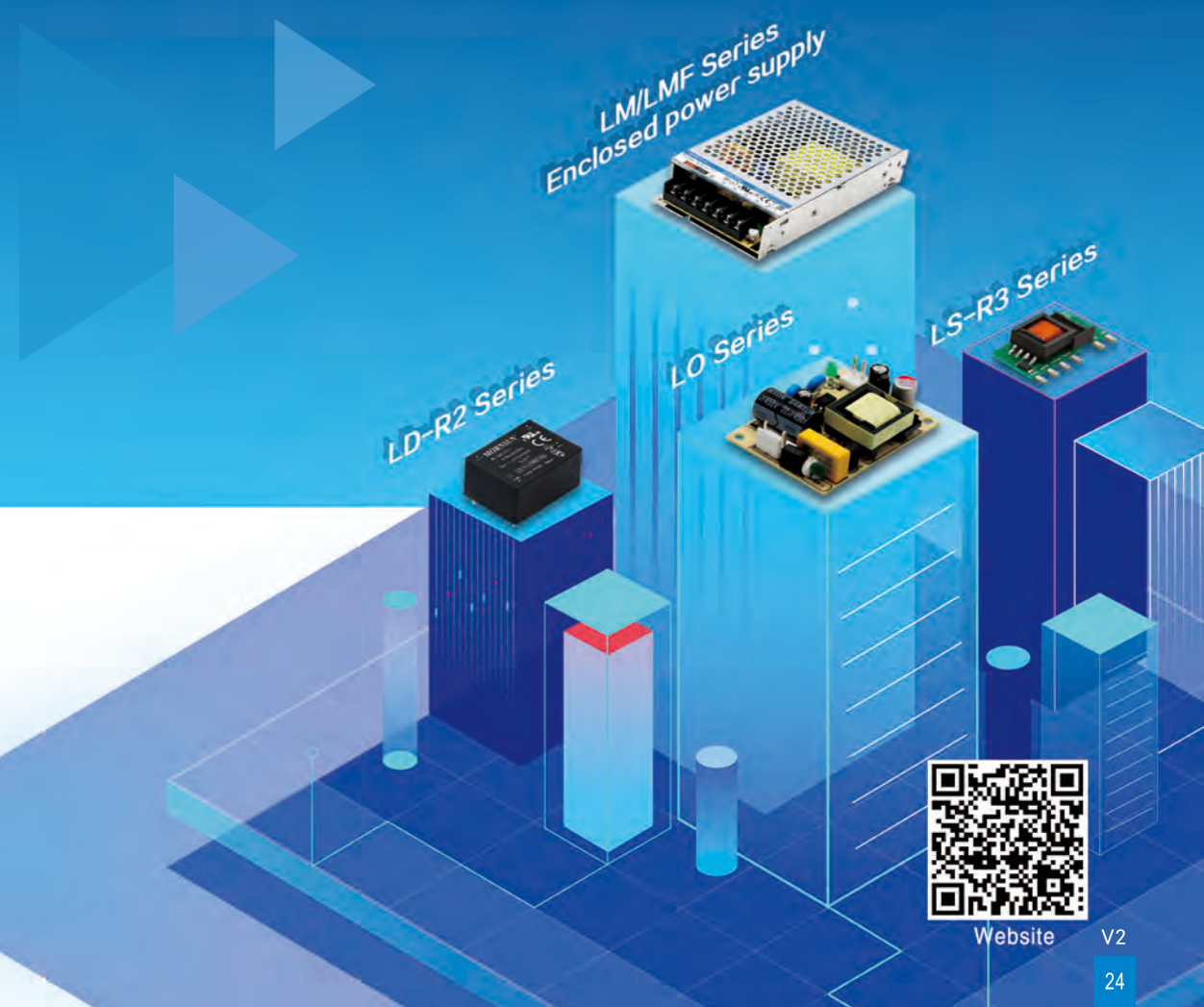
- Humidity test: Temperature/humidity cyclic test, high temperature and high humidity test, constant temperature & humidity test



- Operation altitude up to 5000m
Altitude simulation test: high temperature test, low temperature test, aging test, etc

- Low temperature: -25°C to -40°C
High temperature: +70°C to +80°C

- Lightning/Surge immunity
EMI: CISPR32/EN55032 CLASS A/B



Website V2