

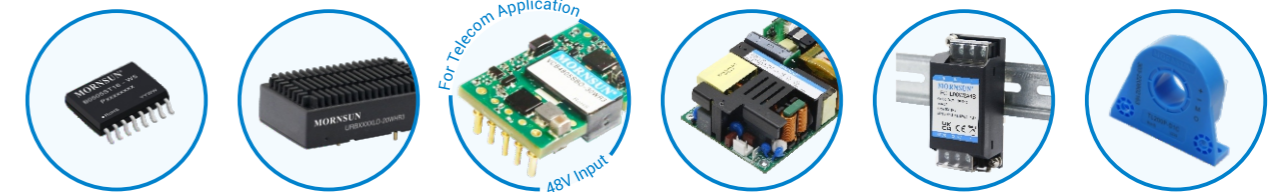
Distributions & Channels

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 • Smart Control Module



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Selection Guide 2024

MORNSUN®

MORE THAN RELIABILITY

- Established: 1998
- Factory: 80000+ square meters
- Employees: 3500+
- Granted Patents: 1300+, including invention patent: 440+
- 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

DC/DC

○ Enclosed (15-1000W)		Compact-size LM-R2 05
		Economical Single Output LM 05
		Economical Multiple Outputs LM-A/C/D 06
○ Enclosed with PFC (75-5000W)		PFC Function LMF 06
		Slim & Fanless LM-UH/LMF-UH 06
		CRPS Server LMS 08
○ Open Frame (10-750W)		High Power Density for Industrial & Medical LOF 06
		Cost-effective Open-frame LO/LO-M 09
○ Economical DIN Rail (15-960W)		Economical Plastic Case LI-PR2/LI-PR3/LI-PU 07
		Economical Metal Case LI-R2S/LI-R3 07
		Economical PFC Function LIF 07
		2-phase & 3-phase Economical LI/LIF/LIT/LITF 07
○ High Reliability DIN Rail (120-960W)		High-reliability LIMF 08
		High-reliability Enhanced LIHF 08
		3-phase High-reliability LITF 08
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- 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 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, CE, CB, CCC, ENEC, TUV
LM50-23BxxR2	50W	80-305VAC/100-430VDC	5, 12, 15, 24, 36, 48, 54	4000VAC	99.00x65.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-23BxxR2	75W	80-305VAC/120-430VDC	5, 12, 15, 24, 36, 48, 54	4000VAC	99.00x82.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM100-23BxxR2	100W	80-305VAC/120-430VDC	5, 12, 15, 24, 36, 48, 54	4000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM150-23BxxR2	150W	80-305VAC/100-430VDC	12, 15, 24, 36, 48, 54	4000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM200-20BxxR2	200W	90-132VAC/180-264VAC	12, 15, 24, 36, 48, 54	4000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM200-22BxxR2	200W	176-264VAC/240-430VDC	12, 15, 24, 36, 48, 54	4000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM350-20BxxR2	350W	90-132VAC/180-264VAC	12, 15, 24, 36, 48, 54	4000VAC	179.00x106.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM350-22BxxR2	350W	176-264VAC/240-370VDC	12, 15, 24, 36, 48, 54	4000VAC	179.00x106.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV

15-1000W Economical Single Output LM Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LM15-23Bxx NEW	15W	85-305VAC/100-430VDC	3, 3.5, 12, 15, 24, 48	4000VAC	65.00x55.00x25.00	RoHS, CE, CB, CCC, ENEC, TUV
LM25-23Bxx NEW	25W	85-305VAC/100-430VDC	3, 3.5, 12, 15, 24, 48	4000VAC	80.00x55.00x25.00	RoHS, CE, CB, CCC, ENEC, TUV
LM35-23Bxx NEW	35W	85-305VAC/120-430VDC	5, 12, 15, 24	4000VAC	99.00x82.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-23Bxx NEW	50W	85-305VAC/120-430VDC	5, 12, 15, 24, 36, 48	4000VAC	99.00x82.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-23Bxx NEW	75W	85-305VAC/120-430VDC	5, 12, 15, 24, 36, 48	4000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM100-23Bxx NEW	100W	85-305VAC/120-430VDC	5, 12, 15, 24, 36, 48	4000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM150-23Bxx NEW	150W	85-305VAC/120-430VDC	12, 15, 24, 36, 48	4000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM35-20Bxx	35W	85-264VAC/120-370VDC	5, 12, 15, 24	4000VAC	99.00x82.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-20Bxx	50W	85-264VAC/120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	99.00x82.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-20Bxx	75W	85-264VAC/120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM100-20Bxx	100W	85-264VAC/120-370VDC	5, 12, 15, 24, 36, 48	4000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM150-20Bxx	150W	85-264VAC/120-370VDC	12, 15, 24, 36, 48	4000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM200-10Bxx	200W	90-132VAC/180-264VAC	5, 12, 15, 24, 36, 48	3000VAC	179.00x99.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM350-10Bxx	350W	90-132VAC/180-264VAC	5, 12, 15, 24, 36, 48	3000VAC	215.00x115.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM450-20Bxx	450W	90-132VAC/180-264VAC	12, 15, 24, 27, 36, 48	4000VAC	225.00x124.00x35.00	RoHS, CE, CB, CCC, ENEC, TUV (Pending)
LM600-20Bxx	600W	90-132VAC/180-264VAC	12, 15, 24, 27, 36, 48	4000VAC	225.00x124.00x41.00	RoHS, CE, CB, CCC, ENEC, TUV (Pending)
LM1000-20Bxx	1000W	90-132VAC/180-264VAC	12, 15, 24, 36, 48, 54	4000VAC	278.00x127.00x63.50	RoHS, CE, CB, CCC, ENEC, TUV (Pending)
LM350-12Bxx	350W	176-264VAC/240-370VDC	5, 12, 15, 24, 36, 48	3000VAC	215.00x115.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM450-12Bxx NEW	450W	176-264VAC/240-373VDC	12, 15, 24, 27, 36, 48	3000VAC	215.00x115.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM600-12Bxx NEW	600W	176-264VAC/240-370VDC	12, 15, 24, 27, 36, 48	3000VAC	267.30x106.00x40.00	RoHS, CE, CB, CCC, ENEC, TUV

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

35-150W Economical Multiple Outputs LM Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LM35-10Axx	35W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM35-10Cxx	35W	85-264VAC/120-370VDC	+5/+12/+15, +5/+15/+15, +5/+24/+12	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM35-10Dxx	35W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-10Axx	50W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-10Bxx	50W	85-264VAC/120-370VDC	+12/-12	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-10Cxx	50W	85-264VAC/120-370VDC	+5/+12/+15, +5/+15/+15, +5/+24/+12	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM50-10Dxx	50W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM60-10Axx	60W	85-264VAC/120-370VDC	+15/-15	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM60-12Axx	60W	165-264VAC/180-370VDC	+15/-15	3000VAC	99.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-10Axx	75W	90-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-10Cxx	75W	90-264VAC/120-370VDC	+5/+12/+15, +5/+15/+15, +5/+24/+12	3000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM75-10Dxx	75W	90-264VAC/120-373VDC	+5/+12, +5/+24	3000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM90-12Axx	90W	165-264VAC/180-370VDC	+15/-15	3000VAC	129.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM100-10Cxx NEW	100W	90-264VAC/120-370VDC	+5/+12/+15, +5/+15/+15, +5/+24/+12	3000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM100-10Dxx NEW	100W	90-264VAC/120-370VDC	+12/+24, +5/+24	3000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM150-12Axx NEW	150W	165-264VAC/180-370VDC	+15/-15	3000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LM150-12Dxx NEW	150W	176-264VAC/250-373VDC	+5/+12	3000VAC	179.00x99.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV

75-5000W PFC Function LMF Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LMF75-23Bxx NEW	75W	85-305VAC/120-430VDC	5, 12, 15, 24, 48	4000VAC	159.00x97.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF100-23Bxx	100W	85-305VAC/120-430VDC	12, 15, 24, 48	4000VAC	179.00x99.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF150-23Bxx	150W	85-305VAC/120-430VDC	12, 15, 24, 48	4000VAC	179.00x99.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF200-23Bxx	200W	85-305VAC/120-430VDC	12, 15, 24, 48	4000VAC	179.00x99.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF320-23Bxx	320W	85-305VAC/120-430VDC	5, 12, 15, 24, 27, 48	4000VAC	215.00x115.00x30.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF500-20Bxx NEW	500W	80-264VAC/110-370VDC	3.3, 5, 12, 15, 24, 27, 36, 48, 54	4000VAC	203.10x101.60x40.60	RoHS, CE, CB, CCC, ENEC, TUV
LMF600-20Bxx NEW	600W	80-277VAC/110-390VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	203.10x101.60x40.60	RoHS, CE, CB, CCC, ENEC, TUV
LMF750-20Bxx NEW	750W	85-264VAC/120-370VDC	12, 15, 24, 27, 48	4000VAC	187.50x127.00x40.50	RoHS, CE, CB, CCC, ENEC, TUV
LMF1000-20Bxx NEW	1000W	90-264VAC/120-370VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	190.00x127.00x40.50	RoHS, CE, CB, CCC, ENEC, TUV
LMF1500-20Bxx NEW	1500W	85-264VAC/120-370VDC	12, 15, 24, 27, 36, 48, 54	4000VAC	250.00x127.00x40.50	RoHS, CE, CB, CCC, ENEC, TUV
LMF2000-20Bxx NEW	2000W	85-264VAC/120-370VDC	12, 24, 48	4000VAC	290.00x127.00x40.50	RoHS, CE, CB, CCC, ENEC, TUV
LMF3000-20Bxx NEW	3000W	85-277VAC/120-390VDC	12, 24, 48	4000VAC	279.40x177.80x63.50	RoHS, CE, CB, CCC, ENEC, TUV
LMF5000-25Bxx NEW	5000W	3W+PE Δ 196-305VAC/3W+N+PE Y340-530VAC	24	4000VAC	460.00x211.00x83.50	RoHS, CE, CB, CCC, ENEC, TUV

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

200-1000W Slim & Fanless LM-UH/LMF-UH Series

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, CE, CB, CCC, ENEC, TUV (Pending)
LM350-22BxxUH	350W	176-305VAC/240-430VDC	5, 12, 24, 28, 36, 48, 54	4000VAC	220.00x59.70x31.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF350-23BxxUH	350W	85-305VAC/120-430VDC	5, 12, 24, 36, 48	4000VAC	220.00x62.00x31.00	RoHS, CE, CB, CCC, ENEC, TUV
LM500-20BxxUH	500W	176-305VAC/240-430VDC	12, 24, 28, 36, 48, 54	4000VAC	232.00x81.00x34.00	RoHS, CE, CB, CCC, ENEC, TUV
LMF500-23BxxUH	500W	85-305VAC/120-430VDC	5, 12, 24, 36, 48, 55	4000VAC	232.00x81.00x31.00	RoHS, CE, CB, CCC, ENEC, TUV (Pending)
LMF750-23BxxUH	750W	85-305VAC/120-430VDC	12, 24, 36, 48	4000VAC	237.00x100.00x41.00	RoHS, CE, CB, CCC, ENEC, TUV (Pending)
LMF1000-23BxxUH	1000W	85-305VAC/120-430VDC	12, 24, 36, 48	4000VAC	240.00x115.00x41.00	RoHS, CE, CB, CCC, ENEC, TUV

120-750W High Power Density for Industrial & Medical LOF Series

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

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 built-in fan available.

AC/DC Economical DIN Rail



- Accepts AC or DC input (dual-use of same terminal)
- Low ripple & noise, high efficiency
- Output short circuit, over-current, over-voltage, over-temperature protections
- Ultra slim design: suitable for small chassis and narrow space installation
- LED indicator for power on
- High isolation voltage up to 4000VAC
- Active PFC function is available (for LIF series)
- Support conformal coating customization

15-150W Economical Plastic Case LI Series

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 ㉔ ㉕
L120-20BxxPU NEW	20W	85-264VAC/120-370VDC	5,12,15,24	4000VAC	95.00x22.50x85.00	RoHS
L130-20BxxPR2	30W	85-264VAC/120-370VDC	5,12,15,24,48	4000VAC	35.00x92.66x58.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕
L160-20BxxPU NEW	60W	85-264VAC/120-370VDC	5,12,24,48	4000VAC	100.00x36.50x90.00	RoHS CE ㉔ ㉕
L160-20BxxPR2	60W	85-264VAC/120-370VDC	5,12,15,24,48	4000VAC	52.00x92.66x58.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕
L1100-20BxxPR2	100W	85-264VAC/120-370VDC	12,15,24,48	4000VAC	70.00x92.66x58.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕
L1100-20BxxPR3 NEW	100W	85-264VAC/120-370VDC	12,15,24,48	4000VAC	70.00x92.66x58.00	RoHS CE ㉔ ㉕ (Pending)
L1150-20BxxPR2 NEW	150W	85-264VAC (277VAC available) 120-370VDC (390VDC available)	12,15,24,48	4000VAC	105.00x90.00x55.40	RoHS CE ㉔ ㉕

75-150W Economical Metal Case LI Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
L175-20BxxR2S NEW	75W	90-264VAC/120-370VDC	12,24,48	4000VAC	32.00x125.00x87.50	RoHS ㉔ ㉕ CE ㉔ ㉕
L175-23BxxR3 NEW	75W	85-305VAC/120-430VDC	12,24,48	4000VAC	32.00x110.00x87.50	RoHS ㉔ ㉕ CE ㉔ ㉕ (Pending)
L1120-20BxxR2S	120W	90-264VAC/127-370VDC	12,24,48	4000VAC	36.00x125.00x100.00	RoHS ㉔ ㉕ CE ㉔ ㉕ (Pending)
L1120-23BxxR3 NEW	120W	85-305VAC/120-430VDC	24,48	4000VAC	32.00x125.00x87.50	RoHS ㉔ ㉕ CE ㉔ ㉕ (Pending)
L1150-20BxxR2S NEW	150W	90-264VAC/127-370VDC	24	4000VAC	36.00x125.00x100.00	RoHS

120-960W Economical PFC Function LIF Series

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 ㉕ CE ㉔ ㉕
LIF120-10BxxR2S-EX	120W	85-264VAC/120-370VDC	12,24,48	3000VAC	32.00x124.00x110.00	RoHS ㉔ ㉕ CE ㉔ ㉕ ATEX IECEx
LIF240-10BxxR2 NEW	240W	85-264VAC/120-370VDC	12,24,48,55	3000VAC	41.00x124.00x110.00	RoHS ㉔ ㉕ CE ㉔ ㉕
LIF240-10BxxR2S NEW	240W	85-264VAC/120-370VDC	12,24,48	3000VAC	54.00x124.00x110.00	RoHS ㉔ ㉕ CE ㉔ ㉕
LIF480-10BxxR2 NEW	480W	85-264VAC/120-370VDC	24,48	3000VAC	48.00x125.00x131.50	RoHS ㉔ ㉕ CE ㉔ ㉕
LIF960-22Bxx NEW	960W	180-264VAC/254-370VDC	24,48	4000VAC	110.00x124.00x127.00	RoHS CE ㉔ ㉕

60-960W 2-phase & 3-phase Economical LI/LIF/LIT Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LI60-26Bxx	60W	180-600VAC/250-850VDC	5,12,24,48	4700VAC	32.00x124.00x102.00	RoHS
LI120-26Bxx	120W	180-600VAC/254-848VDC	12,24,48	4000VAC	41.00x124.00x110.00	RoHS ㉔ ㉕ CE ㉔ ㉕ (Pending)
LIF240-26Bxx	240W	180-550VAC/254-780VDC	24,48	4000VAC	54.00x124.00x110.00	RoHS ㉔ ㉕ CE ㉔ ㉕ (Pending)
LIT240-26Bxx	240W	320-600VAC/450-850VDC	24,48	4000VAC	54.00x124.00x110.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LIF480-26Bxx	480W	180-600VAC/250-850VDC	24,48	4000VAC	80.00x124.00x127.00	RoHS CE ㉔ ㉕
LITF480-26BxxS	480W	320-550VAC/450-800VDC	24,48	4000VAC	80.00x124.00x127.00	RoHS CE ㉔ ㉕
LITF960-26BxxS	960W	320-575VAC/450-820VDC	24,48	4000VAC	110.00x124.00x127.00	RoHS

AC/DC High-reliability DIN Rail



- Active PFC, PF up to 0.98
- LED indicator for output status
- 150% peak power
- Integrated multiple protections
- DC OK, against backflow voltage
- Double-sided conformal coating, salt-spray proof
- Operating altitude up to 5000m
- OVC III (design refer to EN62477)
- Safety according to ANSI/ISA 71.04-2013 G3
- Safety according to ATEX, IECEx certification
- RS485 communication function

120-480W High-reliability LIMF Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LIMF120-23Bxx	120W	85-277VAC/120-390VDC	12,24,48	4000VAC	34.00x124.00x121.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LIMF240-23Bxx	240W	85-277VAC/120-390VDC	12,24,48	4000VAC	48.00x124.00x121.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LIMF480-23Bxx	480W	85-277VAC/120-390VDC	24,48	4000VAC	55.00x124.00x124.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)

240-960W High-reliability Enhanced LIHF Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LIHF240-23Bxx	240W	85-277VAC/120-390VDC	24,48	4000VAC	50.00x130.00x125.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LIHF480-23Bxx	480W	85-277VAC/120-390VDC	24,48	4000VAC	70.00x130.00x125.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LIHF960-23Bxx	960W	85-277VAC/120-390VDC	24,48	4000VAC	125.00x130.00x133.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)

240-960W 3-phase High-reliability LITF Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LITF240-26Bxx	240W	320-600VAC/450-800VDC	24,48	4000VAC	52.00x124.00x127.00	RoHS
LITF480-26Bxx	480W	320-600VAC/450-800VDC	24,36,48	4000VAC	80.00x124.00x127.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)
LITF960-26Bxx	960W	320-600VAC/450-800VDC	24,36,48	4000VAC	110.00x124.00x127.00	RoHS ㉔ ㉕ CE CB ㉔ ㉕ (Pending)



- Input voltage range: 90-264VAC and supports AC & HVDC wide voltage range input
- Operating temperature range: -5°C to +55°C
- 80 PLUS Platinum efficiency
- N+M Intelligent redundancy $N+M \leq 4$ (N=3 max, M=2 max)
- Active current sharing function
- Black box function, PMBus/I²C communication function
- Integrated multiple protections, 5-year warranty

550-1300W CRPS Server Power Supply LMS Series

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
LMS350-G12B	350W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS
LMS550-P12B	550W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS
LMS800-P12B	800W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS
LMS1300-P12B	1300W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS

AC/DC Converter

AC/DC Converter

3-15W Cost-effective DIY type LS Series

SIP Package	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
	LS03-13BxxR3 NEW	3W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	3000VAC	26.40x12.58x11.00	RoHS
	LS05-13BxxR3(-F) NEW	5W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	3600VAC	27.84x11.60x17.60	RoHS
	LS05-13BxxR3S NEW	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	3600VAC	26.40x14.73x11.00	RoHS
	LS05-13Dxx	5W	85-305VAC/70-430VDC	5/12,5/24	3600VAC	29.54x15.70x12.00	RoHS
	LS10-13BxxR3 NEW	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	3600VAC	32.00x17.20x15.05	RoHS
	LS10-13BxxR3P(-F)	10W	85-305VAC/90-430VDC	3.3,5,9,12,15,24	3600VAC	28.84x17.20x14.05	RoHS
	LS10-13Dxx	10W	85-305VAC/70-430VDC	5/12,5/24 5.7/5,5.7/12,5.7/24	3600VAC	34.50x18.00x14.75	RoHS
	LS15-13BxxSS(-F)	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	3000VAC	44.50x15.00x24.00	RoHS

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	27.60x18.50x9.80	RoHS
	LS15-23BxxDR3	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	33.34x21.50x9.72	RoHS

1-5W non-isolated DIY type 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
	LS03-K3BxxSS	3W	85-305VAC/70-430VDC	12	250mA	16.13x15.10x9.50	RoHS
	LS05-K3BxxSS NEW	5W	85-305VAC/70-430VDC	12,15,18	330mA	16.13x15.10x9.50	RoHS

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

10-65W Cost-effective Open-frame LO/LO-M Series

Open Frame	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
	LO10-13Bxx	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	3000VAC	60.00x42.00x16.30	RoHS
	LO15-10Axx	15W	85-264VAC/100-370VDC	+12/-12,+15/-15	3000VAC	63.50x45.70x21.00	RoHS
	LO15-10Dxx	15W	85-264VAC/100-370VDC	5/5,5/12,5/24	3000VAC	63.50x45.70x21.00	RoHS
	LO30-10Axx	30W	85-264VAC/100-370VDC	±12,±15	3000VAC	76.20x50.80x28.00	RoHS
	LO30-10Dxx	30W	85-264VAC/100-370VDC	5/5,5/12,5/24	3000VAC	76.20x50.80x28.00	RoHS
	LO45-10Cxx	45W	85-264VAC/100-370VDC	±5/12,5/±12,5/±15	3000VAC	102.00x51.00x30.00	RoHS
	LO15-10Bxx	15W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	3000VAC	63.50x45.70x19.00	RoHS
	LO30-10Bxx	30W	85-264VAC/100-370VDC	3.3,5,9,12,15,24,48	3000VAC	76.20x50.80x27.00	RoHS
	LO45-10Bxx	45W	85-264VAC/100-370VDC	3.3,5,9,12,15,24,48	3000VAC	76.20x50.80x30.00	RoHS
	LO65-10Bxx	65W	85-264VAC/100-370VDC	5,9,12,15,24,48	3000VAC	76.20x50.80x30.00	RoHS
	LO15-20Bxx-M	15W	85-264VAC/100-370VDC	5,12,15,24,36,48	4000VAC	63.50x45.70x22.00	RoHS
LO35-20Bxx-M	35W	85-264VAC/120-370VDC	5,12,15,24,36,48	4000VAC	76.20x50.80x27.00	RoHS	
LO45-20Bxx-M	45W	85-264VAC/100-370VDC	5,12,15,24,36,48	4000VAC	101.60x50.80x27.50	RoHS	
LO65-20Bxx-M	65W	85-264VAC/100-370VDC	5,12,15,24,36,48	4000VAC	101.60x50.80x31.00	RoHS	

NEW 150-750W AC/DC Converter Specialized for TELECOM

Series	Power	Input Voltage Range	Output Voltage (VDC)	Dimension (mm)	Markings
LBH150-13Bxx <i>Telecom</i>	150W	85-305VAC/120-430VDC	12,24,28,48,54	63.14x60.60x12.70	RoHS
LBH300-13Bxx <i>Telecom</i>	300W	85-305VAC/120-430VDC	12,24,28	63.14x60.60x12.70	RoHS
LBH750-13Bxx <i>Telecom</i>	750W	85-305VAC/120-430VDC	12,24,28,48,54	116.80x61.00x12.70	RoHS

3-90W DIP Compact Size LD/LD-M/LD-WR2 Series

DIP Package	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
	LD10-2WBxx NEW	10W	21.6-305VAC/18-430VDC	5,9,12,15,24	4000VAC	55.00x45.00x21.00	RoHS
	LD10-23Bxx-DW NEW	10W	85-305VAC/100-430VDC	5,9,12,15,24	4000VAC	55.00x45.00x21.00	RoHS
	LD10-23BxxR2 NEW	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	40.00x25.4x21.00	RoHS
	LD15-23BxxR2 NEW	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	47.60x26.80x23.50	RoHS
	LD20-23BxxR2 NEW	20W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4200VAC	52.40x27.20x24.00	RoHS
	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
	LD60-23BxxR2 NEW	60W	85-305VAC/100-430VDC	5,12,15,24,48	4200VAC	70.00x48.00x29.50	RoHS
	LD90-23BxxR2 NEW	90W	80-305VAC/110-430VDC	12,15,24,48	4200VAC	87.00x52.00x29.50	RoHS
	LD05-23BxxR2-M NEW	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	45.70x25.40x21.50	RoHS
	LD10-23BxxR2-M NEW	10W	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-M NEW	20W	85-305VAC/100-430VDC	3.3,5,12,15,24	4000VAC	52.40x27.20x24.00	RoHS
	LD60-23BxxR2-M NEW	60W	85-305VAC/100-430VDC	5,12,15,24,48	4000VAC	87.00x52.00x29.50	RoHS
		LD10-23BxxR2-RC NEW	10W	85-305VAC/100-430VDC	3.3,5,12,15,24	4000VAC	52.40x27.20x24.00
LD20-23BxxR2-RC NEW		20W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	4200VAC	52.40x27.20x24.00	RoHS
LD03-23BxxWR2 NEW		3W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS
LD05-23BxxWR2 NEW		5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS
	LD15-23BxxWR2 NEW	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS
	LDE03-20BxxW	3W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	4000VAC	37.00x24.50x18.00	RoHS
	LD03-20BxxWG	3W	85-264VAC/120-373VDC	5,12,24	4000VAC	32.30x27.30x21.80	RoHS
	LDE05-20BxxW	5W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	4000VAC	37.00x24.50x18.00	RoHS

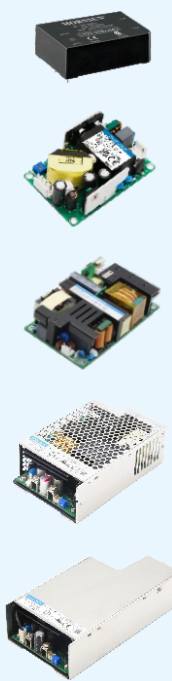
5-85W Standard Package LH/LHE Series

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	
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	
LH20-23BxxR2 NEW	20W	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	
LHE40-23Bxx	40W	85-305VAC/100-430VDC	3.3,5,12,15,24,48	/	4000VAC	89.00x63.50x25.00	RoHS	
LHE60-23Bxx	60W	85-305VAC/100-430VDC	5,12,15,24,48	/	4000VAC	109.00x58.50x30.00	RoHS	
LH85-20B12	85W	85-264VAC/100-370VDC	12	/	4000VAC	109.00x58.50x30.00	RoHS	
	LHE40-20Bxx	40W	85-264VAC/100-370VDC	3.3,5,12,15,24,48	/	4000VAC	89.00x63.50x25.00	RoHS
	LHE60-20Bxx	60W	85-264VAC/100-370VDC	5,12,15,24,48	/	4000VAC	109.00x58.50x30.00	RoHS
	LHE05-20Axx	5W	85-264VAC/100-370VDC	+5,+12,+15	-5,-12,-15	4000VAC	48.50x36.00x20.50	RoHS
	LHE05-20Cxx	5W	85-264VAC/100-370VDC	5	±5,±12,±15	4000VAC	48.50x36.00x20.50	RoHS
	LHE05-20Dxx	5W	85-264VAC/100-370VDC	5	5,12,15,24	4000VAC	48.50x36.00x20.50	RoHS
	LHE10-20Axx	10W	85-264VAC/100-370VDC	+5,+12,+15	-5,-12,-15	4000VAC	55.00x45.00x21.00	RoHS
	LHE10-20Cxx	10W	85-264VAC/100-370VDC	5	±12,±15	4000VAC	55.00x45.00x21.00	RoHS
	LHE10-20Dxx	10W	85-264VAC/100-370VDC	5	5,12,15,24	4000VAC	55.00x45.00x21.00	RoHS
	LHE15-20Axx	15W	85-264VAC/100-370VDC	+5,+12,+15	-5,-12,-15	4000VAC	62.00x45.00x22.50	RoHS
	LHE15-20Cxx	15W	85-264VAC/100-370VDC	5	±5,±12,±15	4000VAC	62.00x45.00x22.50	RoHS
	LHE15-20Dxx	15W	85-264VAC/100-370VDC	5	5,12,24	4000VAC	62.00x45.00x22.50	RoHS
	LHE20-20Axx	20W	85-264VAC/100-370VDC	+12,+15	-12,-15	4000VAC	70.00x48.00x23.50	RoHS
	LHE20-20Cxx	20W	85-264VAC/100-370VDC	5	±12,±15	4000VAC	70.00x48.00x23.50	RoHS
	LHE20-20Dxx	20W	85-264VAC/100-370VDC	5	12,15,24	4000VAC	70.00x48.00x23.50	RoHS

AC/DC Converter

PV/PVA Series

+ 15-750W AC/DC Converter Specialized for MEDICAL



Series	Power	Input Voltage Range	Output Voltage (VDC)	Dimension (mm)	Markings
LH15-20BxxMU	15W	85-264VAC/100-370VDC	5,12,15,18,24	62.00x45.00x22.50	RoHS CE CB ㉄
LH25-20BxxMU	25W	85-264VAC/100-370VDC	5,12,15,18,24	70.00x48.00x23.50	RoHS CE CB ㉄
LO30-20BxxMU	30W	85-264VAC/100-370VDC	3,3,5,12,15,19,24,36,48	76.20x50.80x26.50	RoHS CB ㉄
LO45-20BxxMU(-C)	45W	85-264VAC/100-370VDC	3,3,5,12,15,24,30,36,48	76.20x50.80x26.50 -C: 91.40x60.50x33.30	RoHS CB ㉄
LO45-20BxxSMU(-C) <i>5 years warranty</i>	45W	80-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS CB ㉄
LO65-20BxxMU(-C)	65W	85-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS CB ㉄
LO65-20BxxSMU(-C) <i>5 years warranty</i>	65W	80-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS CB ㉄
LO75-20BxxMU	75W	85-264VAC	5,12,15,19,24,36,48,55		101.60x50.80x32.00
LO120-20BxxMU	120W	85-264VAC/120-370VDC	12,15,24,27,36,48,54	101.60x50.80x32.00	RoHS CB ㉄
LOF120-20Bxx(-C)	120W	85-264VAC/120-370VDC	12,15,19,24,27,36,48,54	76.20x50.80x26.50 -C: 80.00x62.00x40.00	RoHS CB ㉄
LOF225-20Bxx(-C)	Air Cooling: 140W 13CFM: 225W	85-264VAC/120-370VDC	12,15,18,19,24,27,36,48,54	101.60x50.80x25.40 -C: 103.40x62.00x37.00	RoHS CB ㉄
LOF225-23BxxR2	Air Cooling: 200W 13CFM: 225W	85-277VAC/120-390VDC	12,15,18,19,24,27,36,48,54	101.60x50.80x28.50	RoHS CE ㉄
LOF350-20Bxx(-C)	Air Cooling: 180-200W 20.5CFM: 300-351W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	127.00x76.20x25.40 -C: 130.00x86.00x35.00	RoHS CB ㉄
LOF450-20Bxx(-C/-CF)	Air Cooling: 250W 25CFM: 450W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	127.00x76.20x38.50 -C: 130.00x86.00x43.00	RoHS CE CB ㉄ (pending)
LOF550-20Bxx(-C/-CF)	Air Cooling: 320W 25CFM: 550W	90-264VAC/127-370VDC	12,15,18,19,24,27,36,48,54	-CF: 160.00x86.00x43.00	RoHS CE CB ㉄ (pending)
LOF750-20Bxx	Air Cooling: 400/450W 25CFM: 700/750W	90-264VAC/127-370VDC	12,15,24,27,36,48,54	127.00x76.20x43.00	RoHS CE ㉄ (pending)

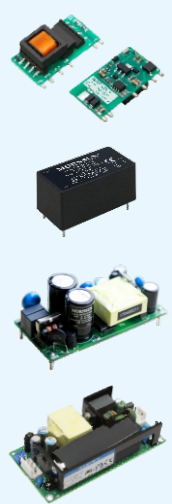
The products strictly according to medical standards, meeting 2xMOPP compliance, and is suitable for all kinds of BF type (be accessible to patients) medical system devices.

+ 1-5W AC/DC Converter Specialized for SMART CONNECTED DEVICE

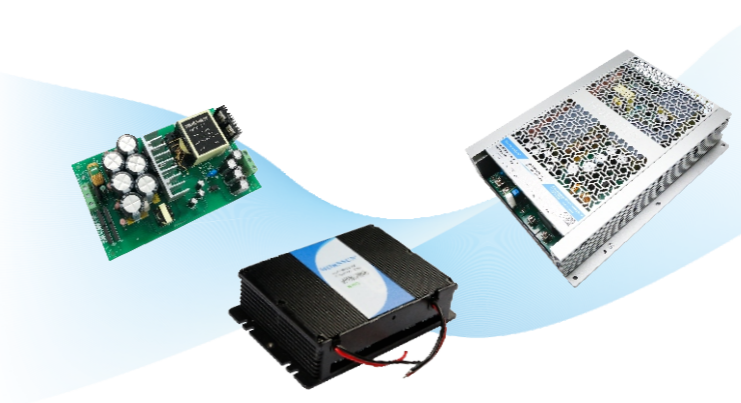


Series	Power	Input Voltage Range	Output Voltage (VDC)	Dimension (mm)	Markings	
LSF01-K5BxxSS	Single live wire	1W	8(15)-380VDC	5.5, 12.5, 24.5	15.70x9.00x14.50	RoHS CE ㉄
LS05-13Hxx	Meter	5W	85-305VAC/70-430VDC	5/5,5/12	32.84x16.79x12.00	RoHS CE ㉄
CLS05-15B12R3	Automobile	5W	85-418VAC/100-591VDC	12	30.28x17.96x11.00	RoHS

+ 5-75W AC/DC Converter Specialized for ELECTRICITY



Series	Power	Input Voltage Range	Output Voltage (VDC)	Dimension (mm)	Markings	
LS05-15BxxR3	5W	85-418VAC/100-591VDC	3,3,5,9,12,15,24	27.20x14.73x11.00	RoHS	
LS05-26BxxR3	5W	90-528VAC/100-745VDC	3,3,5,9,12,15,24	33.50x17.20x13.00	RoHS CE ㉄	
LS10-26BxxR3	10W	85-528VAC/100-745VDC	3,3,5,9,12,15,24	38.00x20.00x15.25	RoHS CE ㉄	
LD10-26Bxx	10W	90-528VAC/100-745VDC	3,3,5,9,12,15,24	62.00x45.00x30.00	RoHS CE ㉄	
LD15-25BxxR2	15W	176-418VAC/248-591VDC	5,9,12,15,24	52.40 x 27.20 x 24.00	RoHS CE ㉄	
LD20-26Bxx	20W	90-528VAC/100-745VDC	3,3,5,9,12,15,24	70.00 x 48.00 x 30.00	RoHS CB ㉄	
LD30-26BxxR2	30W	176-528VAC/248-746VDC	3,3,5,9,12,15,24,48	70.00 x 48.00 x 30.00	RoHS CE ㉄ (pending)	
LO10-24BxxK	Electricity meter	10W	30-280VAC/30-400VDC	5,12,13	80.00 x 40.00 x 30.00	RoHS
LO10-26Dxxxx-xx	Three-phase Four-wire/ Electricity meter	10W	57-528VAC/80-745VDC	5.1/12	80.00 x 40.00 x 35.00	RoHS
LO15-26Dxxxx-xx	Electricity meter	15W	57-528VAC/80-745VDC	13.5/5	80.00 x 40.00 x 35.00	RoHS
LO20-26Dxxxx-xx	TTU	20W	165-480VAC/230-680VDC	12,15/12	76.20 x 50.80 x 30.00	RoHS
LO15-23BxxE	Relay protection	15W	85-305VAC/88-430VDC	3,3,5,12,15,24	87.50 x 50.00 x 22.00	RoHS CE ㉄
LO30-23BxxE	Relay protection	30W	85-305VAC/88-430VDC	3,3,5,12,15,24	105.00 x 50.00 x 30.00	RoHS CE ㉄
LO50-23BxxE	Relay protection	50W	85-305VAC/88-430VDC	3,3,5,9,12,15,24,27,48	132.00 x 50.00 x 27.10	RoHS CE ㉄
LO75-20BxxE	Relay protection	75W	85-264VAC/88-370VDC	3,3,5,9,12,15,24,27,48	101.60 x 50.80 x 27.00	RoHS CB ㉄
LO75-26Bxx	Three-phase Four-wire	75W	176-576VAC	12,24,48	127.00 x 76.19 x 38.60	RoHS



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

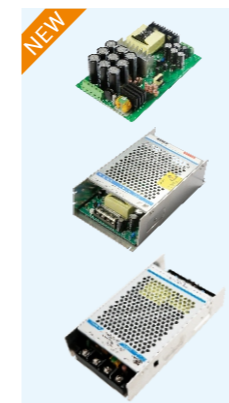
- Specialized for Mining industry
- Ultra-wide input voltage: 85-1500VAC

+ 15-1200W DC/DC Converter Specialized for PV INDUSTRY

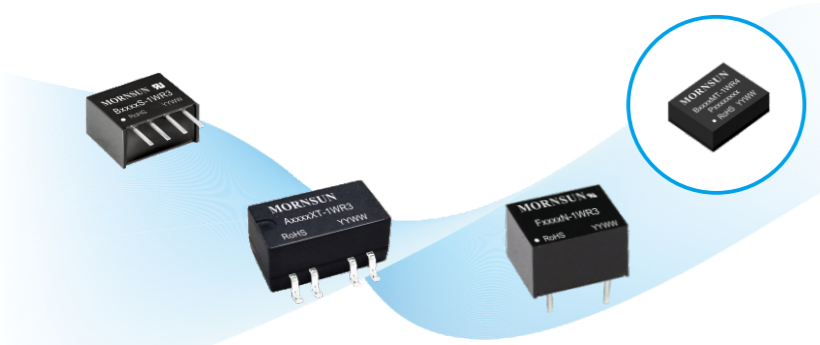


Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
PV50-2YxxR3 <i>NEW</i>	50W	80-1000	12,24	4000VAC	134.00x58.80x37.00	RoHS
PV75-2YxxR3 <i>NEW</i>	75W	80-1000	12,15,24	4000VAC	140.00x70.00x42.00	RoHS CB ㉄
PV120-2YBxx <i>NEW</i>	120W	250-850	12,24,48	4000VAC	118.00x124.60x43.10	RoHS
PV15-27BxxR3 <i>NEW</i>	15W	100-1000VDC	12,15,24	4000VAC	70.00x48.00x23.50	RoHS CE ㉄
PV40-27BxxR2	40W	200-1200VDC	12,15,24,28	4000VAC	89.00x63.50x25.00	RoHS CB ㉄
PV120-27Bxx	90W,100W,120W	200-1100VDC	12,15,24,26,28,48	4000VAC	144.50x105.00x40.00	RoHS
PV200-27Bxx	120W,150W,200W	200-1000VDC	12,15,24,26,48	4000VAC	168.00x121.35x42.50	RoHS CE ㉄
PV1000-27Bxx <i>NEW</i>	1000W	300-1000VDC	24,48	4000VAC	292.00x225.00x58.00	RoHS
PV15-29BxxR3 <i>NEW</i>	15W	200-1500VDC	5,12,15,24	4000VAC	89.00x63.50x25.00	RoHS CB ㉄
PV40-29Bxx	40W	200-1500VDC	12,15,24	4000VAC	125.00x75.00x40.00	RoHS CB ㉄
PV40-29BxxR3 <i>NEW</i>	40W	250-1500VDC	12,24,28,48	4000VAC	109.00x58.50x30.00	RoHS CB ㉄
PV175-29Bxx <i>NEW</i>	75W	150-1500VDC	5,12,24,48	4000VAC	-	RoHS
PV150-29Bxx	120W,150W	250-1500VDC	12,15,24,28,32,48	4000VAC	168.00x111.20x42.50	RoHS CE CB ㉄
PV200-29Bxx	200W	300-1500VDC	24,32,48	4000VAC	215.00x125.00x50.00	RoHS CE ㉄
PV350-29Bxx <i>NEW</i>	350W	200(300)-1500VDC	12,24,28,32,48	4000VAC	215.00x125.00x50.00	RoHS CB ㉄
PV1200-29Bxx <i>NEW</i>	1200W	300-1500VDC	24,48	4000VAC	292.00x225.00x58.00	RoHS
PV75-36Dxx	75W	250-3300VDC	15,400	6000VAC	220.00x157.00x40.00	RoHS

+ 40-200W AC/DC Converter Specialized for MINING







Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
PVA40-26Bxx	40W	460-1500VAC	12,28,35	4200VAC	144.50x105.00x40.00	RoHS
PVA40-27Bxx	40W	85-900VAC	18,24,30	4000VAC	138.00x82.00x32.00	RoHS
PVA70-27Bxx	70W	85-900VAC	24,28,35	4000VAC	155.00x95.00x41.00	RoHS
PVA120-27Bxx	120W	85-900VAC	24,28,35	4000VAC	170.00x107.00x52.00	RoHS
PVA120-27Bxx-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
PVA120-27BxxR2	120W	85-900VAC/120-1300VDC	24,28,35	4000VAC	140.00x90.00x37.50	RoHS
PVA150-27Bxx	150W	85-850VAC	24,28,35	4000VAC	199.00x110.00x55.00	RoHS
PVA200-27BxxR2	200W	85-900VAC/120-1300VDC	24,28,35	4000VAC	199.00x110.00x55.00	RoHS
PVA200-29B24-PCS	200W	300-1500VDC	24	4000VAC	199.00x110.00x41.00	RoHS

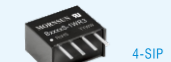







- ± 5%, ± 10% input voltage tolerance
 - Operating temperature up to 105°C
 - High isolation up to 6000VDC
 - Low ripple & noise
 - Continuous short-circuit protection
- K78 series**
- Efficiency up to 96%
 - Operating temperature: -40°C to +85°C
 - Continuous short-circuit protection
 - Pin-out compatible with LM78xx linear regulators

Fixed Input Voltage, Isolated & Unregulated Output Series



NEW	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	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, RoHS CE CB
	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

SMD Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	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, RoHS CE CB
	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, RoHS CE CB
	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, RoHS CE CB
	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, RoHS CE CB
	FB0505XT-1WR3	1W	5	5	4200VDC	SMD 10	15.24x11.40x7.25	RoHS CE CB
	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 CB
	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 CB




SIP Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	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, RoHS CE CB
	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, RoHS CE CB
	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, RoHS CE CB
	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, RoHS CE CB
	F_S-1WR3	1W	3,3,5,12,15,24	3,3,5,12,15,24	3000VDC	7-SIP	19.65x6.00x10.16	RoHS, RoHS CE CB
	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, RoHS CE CB
	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, RoHS CE CB
	E_S-2WR3	2W	5,12,15,24	±3.3, ±5, ±9, ±12, ±15, ±24	3000VDC	7-SIP	19.65x7.05x10.16	RoHS, RoHS CE CB
	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, RoHS CE CB
	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

DIP Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	F_N-1WR3	1W	5,12	3,3,5,7,2,9,12,15,24	3000VDC	7-DIP	12.70x10.16x8.20	RoHS, RoHS CE CB
	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, RoHS CE CB
	E_D-1WR3	1W	5,12,15,24	±5, ±9, ±12, ±15	3000VDC	14-DIP	20.00x10.00x7.00	RoHS CE CB
	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 CB
	F_D-2WR3	2W	5,12,15,24	3,3,5,9,12,15,24	3000VDC	14-DIP	20.32x10.16x8.20	RoHS



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 CB
	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 CB
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 CB
	IB_LS-1WR3	1W	5,12,15,24	3,3,5,9,12,15,24	1500VDC	6-SIP	19.65x6.00x10.16	RoHS, RoHS CE CB
	IF_S-1WR3	1W	5,12,15,24	3,3,5,9,12,15,24	3000VDC	6-SIP	19.65x6.00x10.16	RoHS, RoHS CE CB
	IE_KS-1WR3	1W	5,24	±5, ±9, ±12, ±15	3000VDC	10-SIP	27.50x9.50x12.00	RoHS CE CB

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-P421H-1C	0.42W	12	+420	+420	DIP	45.50x23.00x12.50	RoHS
	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	SIP	45.50x12.00x24.50	RoHS
	H01-P(N)1251H-0.5C(D/F)	0.625W	12,15,24	+1250/-1250	0 to +1250 / 0 to -1250	DIP	45.50x23.00x12.50	RoHS CE CB
	H01-P(N)1501H-0.5C(D)	0.625W	12,15	+1500/-1500	0 to +1500 / 0 to -1500	DIP	45.50x23.00x12.50	RoHS CE CB
	H01-P(N)1201-0.6B	0.72W	5	+1200/-1200	0 to +1200 / 0 to -1200	DIP	15.00x15.00x18.00	RoHS CE
	H01-N201-5B	1W	5	-200	0 to -200	DIP	31.60x20.30x10.20	RoHS
	H01-P201-5C	1W	12	+200	0 to +200	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)1251H-1B	1.25W	5	+1250/-1250	0 to +1250 / 0 to -1250	DIP	45.50x23.00x12.50	RoHS CE CB
	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-P(N)602-0.25C	1.5W	12	+6000/-6000	0 to +6000 / 0 to -6000	DIP	38.10x38.10x16.00	RoHS
	H01-P(N)601V-3C	1.8W	12	+600/-600	0 to +600 / 0 to -600	DIP	45.50x23.00x12.50	RoHS
	H01-N1501V-1.2F	1.8W	24	-1500	0 to -1500	DIP	45.50x23.00x12.50	RoHS
	H01-PN202-0.5C	2W	12	±2000	0 to ±2000	DIP	45.00x35.00x12.50	RoHS
	H01-P(N)202V-1C	2W	12	+2000/-2000	0 to +2000 / 0 to -2000	DIP	45.50x23.00x12.50	RoHS
	H01-P401V-5C	2W	12	+400	0 to +400	DIP	45.50x23.00x12.50	RoHS
	H01-P231V-10F	2.3W	24	+230	0 to +230	DIP	45.50x23.00x12.50	RoHS
	H01-N102V-3F	3W	24	-1000	0 to -1000	DIP	45.50x23.00x12.50	RoHS
	H01-P401V-10C	4W	12	+400	0 to +400	DIP	45.50x23.00x12.50	RoHS
	H01-P501LD-50C	25W	12	+500	0 to +500	DIP	74.60x38.10x26.00	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	/	3,3	+430	/	DIP	22.00x14.00x5.50	RoHS

+ 1-6W DC/DC Converter Specialized for MEDICAL

SIP Package	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	G_S-1WR3	1W	12,24	±5, ±12, ±15	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	H_S-1WR3	1W	12,24	3,3,5,9,12,15,24	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	G_WS-1WR3	1W	12,24	±5, ±12, ±15	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	H_WS-1WR3	1W	12,24	3,3,5,9,12,15,24	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	G_S-2WR3	2W	12	±5, ±9, ±12, ±15	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	H_S-2WR3	2W	12,15,24	5,9,12,15,24	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	G_WS-2WR3	2W	12	±5, ±9, ±12, ±15	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
	H_WS-2WR3	2W	12,15,24	5,9,12,15,24	6000VDC	SIP	19.50x9.80x12.50	RoHS, RoHS CE CB
DIP Package	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	URH_P-6WR3	6W	24,48	5,6,9,12,15,18,24	6000VDC	DIP	31.60x20.30x10.20	RoHS CE CB

DC/DC Converter

DC/DC Converter

Non-isolated Switching Regulator

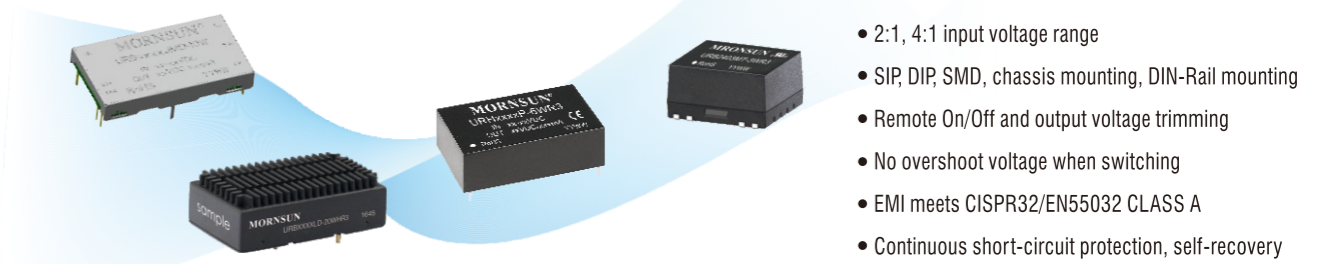
NEW DFN Package	Series	Output Current (mA)	Input Voltage Range(VDC)	Output Voltage (VDC)	Package	Dimension (mm)	Markings
	K78_MT-500R4	500	4.5-36	±3.3,±5,±6.5,±9,±12,±15	DFN	9.00x7.00x3.10	RoHS CE
	K78_MT-1000R4	1000	4.75-36	±3.3,±5,±6.5,±9,±12,±15	DFN	9.00x7.00x3.10	RoHS CE
SIP Package	K78-500R3	500/300/150	4.75-36	3.3,5,9,12,15,-5,-12,-15	3-SIP	11.60x7.55x10.16	RoHS CB CE
	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
	K78U-500R3(L) <i>NEW</i>	500	9-80	3.3,5,6.5,9,12,15	3-SIP	11.50x9.00x19.00	RoHS CE
	K78-1000R3(L)	1000/500/300	6-36	3.3,5,6.5,9,12,15,-5,-12,-15	3-SIP	11.50x7.50x17.50	RoHS CB CE
	K78_M-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
	K78-2000R3	2000	4.5-36	2.5,3.3,5,9,12,15	3-SIP	11.50x9.00x17.50	RoHS CE
	K78-3AR3	3000	8-36	3.3,5,6.5,9,12,15	12-SIP	32.15x14.85x9.05	RoHS CE
SMD Package	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
	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
	K78_JT-500R3	500	4.75-36	3.3,5,9,12,15	4-SMD	12.50x13.50x3.50	RoHS CE
	K78_JT-500R3-LB	500	4.75-36	3.3,5,6.5,9,12,15	4-SMD	12.00x12.00x4.50	RoHS CE
	KAE24_T-0.5A <i>NEW</i>	500	6.5-28V	3.3,5	Micro	4.00x3.00x2.68	RoHS
	KAP05_T-1A <i>NEW</i>	1000	2.5-5.5V	1.2,1.8,3.3	DFN	2.50x2.00x1.20	RoHS

Non-isolated PoL Power Supply

NEW	Series	Output Current (mA)	Input Voltage Range(VDC)	Output Voltage (VDC)	Package	Dimension (mm)	Markings
	K12T-6A-P(N)	6000	8.3-14	0.75-5.5	SMD	20.30x11.40x6.60	RoHS CE
	K12T-10A-P(N)	10000	8.3-14	0.75-5.5	SMD	33.00x13.50x8.30	RoHS CE
	K12T-16A-P(N)	16000	8.3-14	0.75-5.5	SMD	33.00x13.50x8.30	RoHS CE
	K12T-20A-P(N)	20000	8-14	0.6-5.0	SMD	33.00x13.50x9.90	RoHS CE
NEW	K12MT-6A-P(N)	6000	4.5-14.4	0.6-5.5	SMD	12.20x12.20x8.70	RoHS
	K12MT-12A-P(N)	12000	4.5-14.4	0.6-5.5	SMD	12.20x12.20x8.70	RoHS
	K12MT-16A-P(N)	16000	4.5-14.4	0.6-3.63	SMD	12.20x12.20x8.40	RoHS
	KD12T-40A	40000	4.5-14.4	0.6-4.5	SMD	33.03x13.46x10.49	RoHS
	KD12T-60A	60000	7.5-14.4	0.6-4.5	SMD	24.50x12.70x13.00	RoHS

Buck/Buck-Boost Power Supply

NEW	Series	Output Current (mA)	Input Voltage Range(VDC)	Output Voltage (VDC)	Package	Dimension (mm)	Markings
	KUB48_EB-10A(-RS)	0-1000	9-60	0-60	SMD	60.80x25.00x12.70	RoHS CE
	KUB48_EBF-10A(-RS)	0-1000	9-60	0-60	SMD	60.80x36.83x12.70	RoHS CE
	KUB48_QB-10A	10000	30-75	12,24	SMD	59.20x37.60x13.00	RoHS CE
	KUB_48EB-10A	10000	14.5-75,14.5-90	20-55	SMD	60.80x25.00x12.70	RoHS CE
	KUB_48EBF-10A	10000	14.5-75,14.5-90	20-55	SMD	60.80x36.83x12.70	RoHS CE
	KJB48_SBO-10A	10000	18-85	5,12,15,24	SMD	33.02x22.86x11.80	RoHS CE
	KJB48_EB(F)-10A	10000	18-85	5,12,15,24,36	SMD	60.80x25.00x12.70	RoHS CE
	KJB48_EB(F)-15A	15000	43-85	36	SMD	60.80x25.00x12.70	RoHS CE
	KJB48_EB(F)-20A	20000	14.5-85	5,12,15,24	SMD	60.80x25.00x12.70	RoHS CE



- 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 (2:1)

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
	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
	WRE_S-1WR2	1W	4.5-9,9-18,18-36,36-75	±5,±12,±15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE
	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
	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
	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
	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
	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 CB CE
	VRB_S-6WR3	6W	9-18,18-36	3.3,5,9,12,15,24	1600VDC	SIP	22.00x9.50x12.00	RoHS CE
	VRB_S-10WR3	10W	9-18,18-36	3.3,5,9,12,15,24	1500VDC	SIP	22.00x9.50x12.00	RoHS CE
NEW SMD DIP	WRA_SD/T-1WR2	1W	9-18,18-36	±5,±9,±12,±15	1500VDC	DIP/SMD	15.00x14.00x9.10(ST)	RoHS CE
	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
	WRA_SD/T-3WR2	3W	9-18,18-36	±5,±9,±12,±15	1500VDC	DIP/SMD	15.00x14.00x9.10(ST)	RoHS CE
	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
NEW	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 CB
	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 CB CE
	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
	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
	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
	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
	VRA_ZP-10WR3	10W	9-18,18-36,36-75	±5,±12,±15	1500VDC	DIP, Metal	32.00x20.00x10.80	RoHS CE
	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
NEW	VRB_LD-15WR3	15W	18-36,36-75	3.3,5,12,15,24	1500VDC	DIP	50.80x25.40x11.80	RoHS CB CE
	VRA_LD-20WR3	20W	9-18,18-36,36-75	±5,±9,±12,±15,±24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE
	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
	VRB_LD-30WR3	30W	18-36,36-75	3.3,5,9,12,15,24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE
	VRB_LD-40WHR3	40W	18-36,36-75	5,12,15,24	1500VDC	DIP	51.40x26.20x16.50	RoHS CE
	VRB_LD-50W(H)R3	50W	36-75	3.3,5,12,15,24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE
NEW	VRB_HB-350WR3	350W	20-36	12,24,28,32	1500VDC	DIP	61.00x57.90x12.70	RoHS
	VRF_HB-400WR3-N	400W	36-75	12,15,24,28	2250VDC	DIP	61.00x57.90x12.70	RoHS
	VRF_HB-400WHR3-N	400W	36-75	12,15,24,28	2250VDC	DIP	62.00x58.00x30.70	RoHS
NEW	VRA_YMD-6WR3	6W	9-18,18-36	±5,±12,±15	1500VDC	DIP	25.40x25.40x11.70	RoHS CB CE
	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
	VRA_YMD-10WR3	10W	4.5-9	±5,±12,±15,±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE
	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
	VRB_YMD-15WR3	15W	9-18,18-36,36-75	3.3,5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE
	VRB_YMD-20WR3	20W	9-18,18-36,36-75	3.3,5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE
NEW	VRB_J(M)D/T-3W	3W	4.5-9,9-36	3.3,5,12,15,24	1500VDC	DIP/SMD	26.20x16.40x6.80	RoHS CE
	VRB_J(M)D/T-6W	6W	9-18,18-36	3.3,5,12,15	1500VDC	DIP/SMD	33.78x19.10x7.00	RoHS CB CE

Wide Input Voltage, Isolated & Regulated Output Series (4:1)

Package	Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings	
SIP Package	UWE_S-1WR3	1W	4.5-36	±5, ±12, ±15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	UWF_S-1WR3	1W	4.5-36	5,9,12,15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	UWE_S-3WR3	3W	4.5-36	±5, ±12, ±15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	UWF_S-3WR3	3W	4.5-36	5,12,15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	URD_S-3WR3	3W	18-75	5/5,5/12,5/24	3000VDC	SIP	27.40x9.50x12.00	RoHS CE 爆	
	URA_S-6WR3	6W	9-36	±5, ±9, ±12, ±15, ±24	1500VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	URB_S-6WR3	6W	9-36	3,3,5,9,12,15,24	1600VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	URB_S-10WR3	10W	9-36	3,3,5,9,12,15,24	1500VDC	SIP	22.00x9.50x12.00	RoHS CE 爆	
	DIP Package	URH_P-6WR3	6W	9-36,18-75	5,6,9,12,15,18,24	6000VDC	DIP,Plastic	31.60x20.30x10.20	RoHS CE 爆
		URE_P-6WR3	6W	9-36,18-75	±5, ±12, ±15	3000VDC	DIP,Plastic	31.60x20.30x10.20	RoHS CE CB 爆
URF_P-6WR3		6W	9-36,18-75	3,3,5,9,12,15,24,25	3000VDC	DIP,Plastic	31.60x20.30x10.20	RoHS CE CB 爆	
URA_ZP-6WR3		6W	9-36,18-75	±5, ±9, ±12, ±15, ±24	1500VDC	DIP,Metal	32.00x20.00x10.80	RoHS CE CB 爆	
URB_ZP-6WR3		6W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP,Metal	32.00x20.00x10.80	RoHS CE CB 爆	
URA_ZP-10WR3		10W	9-36,18-75	±5, ±12, ±15	1500VDC	DIP,Metal	32.00x20.00x10.80	RoHS CE 爆	
URB_ZP-10WR3		10W	9-36,18-75	3,3,5,12,15,24	1500VDC	DIP,Metal	32.00x20.00x10.80	RoHS CE 爆	
DIP Package		URA_YMD-6WR3	6W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆
		URB_YMD-6WR3	6W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆
		URA_YMD-10WR3	10W	9-36,18-75	±5, ±9, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆
	URB_YMD-10WR3	10W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆	
	URD_YMD-10WR3	10W	18-75	5/5,5/12,5/24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 爆	
	URA_YMD-15WR3	15W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 爆	
	URB_YMD-15WR3	15W	9-36,18-75	3,3,5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆	
	URA_YMD-20WR3	20W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 爆	
	URB_YMD-20WR3	20W	9-36,18-75	3,3,5,6,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE CB 爆	
	URA_YMD-30WR3	30W	18-75	±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 爆	
URB_YMD-30WR3	30W	18-75	5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 爆		
DIP Package	URE_LP-10WR3	10W	9-36,18-75	±5, ±12, ±15	3000VDC	DIP,Plastic	51.50x26.50x12.00	RoHS CE CB 爆	
	URF_LP-10WR3	10W	9-36,18-75	3,3,5,9,12,15,24	3000VDC	DIP,Plastic	51.50x26.50x12.00	RoHS CE CB 爆	
	URF_LP-20WR3	20W	9-36,18-75	3,3,5,9,12,15,24	3000VDC	DIP,Plastic	51.50x26.50x12.00	RoHS CE CB 爆	
	URH_LP-20WR3	20W	9-36,18-75	3,3,5,12,15,24	5000VAC	DIP,Plastic	51.50x26.50x12.00	RoHS CE 爆	
	URA_LD-20WR3	20W	9-36,18-75	±5, ±9, ±12, ±15	1500VDC	DIP,Metal	50.80x25.40x11.80	RoHS CE CB 爆	
	URB_LD-20WR3	20W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP,Metal	50.80x25.40x11.80	RoHS CE CB 爆	
	URD_LD-20WR3	20W	18-75	5/5,5/12,5/24	3000VDC	DIP,Metal	50.80x25.40x11.80	RoHS CE 爆	
	URA_LD-30WR3	30W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP,Metal	50.80x25.40x11.80	RoHS CE 爆	
	URB_LD-30WR3	30W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP,Metal	50.80x25.40x11.80	RoHS CE CB 爆	
	URD_D-30WR3	30W	18-75	5/24	3000VAC	DIP,Metal	70.00x48.00x26.00	RoHS CE 爆	
Ultra-thin	URB_MT-3WR3	3W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	SMD	19.20x18.10x10.16	RoHS CE CB 爆	
	URB_J(M)D/T-3W	3W	4.5-9,9-36	3,3,5,12,15,24	1500VDC	DIP/SMD	26.20x16.40x6.80	RoHS CE 爆	
	URB_J(M)D/T-10W	10W	9-36	5,12,15,24	1500VDC	DIP/SMD	41.40x22.00x7.00	RoHS CE CB 爆	
	URB_J(M)D/T-15W	15W	9-36,18-75	3,3,5,12,15	1500VDC	DIP/SMD	39.90x29.50x6.80	RoHS CE 爆	
















3-1300W DC/DC Converter Specialized for TELECOM

Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
VCB48_S0-3WR3	3W	36-75	5,12,15,24	1500VDC	SIP	22.00x12.80x8.20	RoHS CE 爆
VCB48_S0-6WR3	6W	36-75	5,12,15,24	1500VDC	SIP	22.00x12.80x8.20	RoHS CE 爆
VCB_SBO-10WR3	10W	36-75	5,12,15,24	1500VDC	DIP	33.02x22.86x11.40	RoHS CE 爆
VCB_SBO-20WR3	20W	36-75	3,3,5,12,15,24,28	1500VDC	DIP	33.02x22.86x12.60	RoHS CE 爆
VCB_SBO-30WR3	30W	36-75	5,12,15,24,28	1500VDC	DIP	33.02x22.86x9.18	RoHS CE 爆
VCB_SBO-50WR3(-N)	50W	36-75	5,12	1500VDC	DIP	33.02x22.86x9.70	RoHS CE 爆
VCB_SBO-75W(F/R)3(-N)	75W	36-75	5,12,28	1500VDC	DIP	33.02x22.86x9.75	RoHS CE 爆 (Pending)
VCB_SBO-100W(F/R)3(-N)	100W	36-75	5,12,28	1500VDC	DIP	33.02x22.86x9.75	RoHS CE 爆 (Pending)
VCF_EBO-50W(F/R)3-N	50W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCF_EBO-75W(F/R)3-N	75W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCB_EBO-100W(F/R)3	100W	36-75	5,12,15,24,28	1500VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCF_EBO-100W(F/R)3-N	100W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCF_EBO-120W(F/R)3-N	120W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCF_EBO-150W(F/R)3-N	150W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 爆 (Pending)
VCF_EBO-240W(F/H)R3-N	240W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 爆 (Pending)
VCF_EBO-300W(F/H)R3-N	300W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 爆 (Pending)
VCF_EBO-400W(F/H)R3-N	400W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 爆 (Pending)
VCB_QBO-200WR3(-N)	200W	36-75	5,12,15,24	1500VDC	DIP	57.90x36.80x10.05	RoHS CE 爆 (Pending)
VCF_QBO-400W(F/H)R3(-N)	400W	36-75	12,15,24,28	2250VDC	DIP	57.90x36.80x12.90	RoHS CE 爆 (Pending)
VCB_QBO-800WR3A(D)-N	800W	40-60	12,12,1,10,8,10,9	1500VDC	DIP	58.40x36.80x14.20	RoHS CE 爆
VCB_QBO-1300WR3A-N	1300W	45-60	10,8,12	1500VDC	DIP	58.40x36.80x14.20	RoHS CE 爆












6-400W 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 爆
URB1D_YMD-6WR3	6W	40-160	5,12,15,24	2250VDC	DIP	25.40x25.40x11.70	RoHS CE 爆
URA1D_(X)LMD-10WR3	10W	40-160	±5, ±12, ±15	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 爆
URB1D_LMD-10WR3	10W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 爆
URB1D_LMD-15WR3	15W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE CB 爆
URB1D_LMD-20WR3	20W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE CB 爆
URB1D_LD-20WR3	20W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 爆
URE1D_LD-20WR3	20W	40-160	±12, ±15, ±24	3000VDC	DIP	50.80x25.40x11.80	RoHS CE 爆
URF1D_LD-40WR3	40W	40-160	3,3,5,12,15,24,48	3000VDC	DIP	50.80x25.40x11.80	RoHS CE 爆
URF1D_QB-50WR3	50W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 爆
URF1D_QB-75WR3	75W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 爆
URF1D_QB-100WR3	100W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 爆
URF1D_HB-150WR3	150W	43-160	5,12,15,24,48	3000VAC	DIP	61.00x58.00x13.80	RoHS CE 爆
URF1D_HB-250WR3	250W	40-160	5,12,15,24,48,54	3000VAC	DIP	61.00x57.90x13.80	RoHS CE 爆
URF1D_FB-400W(H)R3	400W	66-160	5,9,12,15,24,28,36,48,54	3000VAC	DIP	116.80x61.00x13.00	RoHS CE 爆 (Pending)
UWTH1D_P-6WR3	6W	14-160	3,3,5,12,15,24	3000VAC	DIP 24	31.60x20.30x12.50	RoHS CE CB 爆
UWTH1D_LD-10W(F/H)R3	10W	14-160	3,3,5,12,15,24,28,48,54	3000VAC	2x1 inch	50.80x25.40x11.80	RoHS CE CB 爆
UWTH1D_LD-20W(F/H)R3	20W	14-160	3,3,5,12,15,24,28,48,54	3000VAC	2x1 inch	50.80x25.40x11.80	RoHS CE CB 爆
UWTH1D_LD-30W(F/H)R3	30W	14-160	5,12,15,24,28,48,54	3000VAC	2x1 inch	50.80x25.40x11.80	RoHS CE CB 爆
UWTH1D_QB-50W(F/H)R3S	50W	14-160	12,15,24,28,48,54	3000VAC	DIP	57.90x36.80x12.70	RoHS CE CB 爆
UWTH1D_QB-100W(F/H)R3	100W	14-160	12,15,24,28,48,54	3000VAC	DIP	57.90x36.80x12.70	RoHS CE CB 爆
URF1DxxM-60WR3	60W	40-160	3,3,5,12,15,24,48	3000VAC	Metal case	128.00x60.00x25.00	RoHS CE 爆







DC/DC Converter for SiC Driver

Series	Input Voltage (VDC)	Input Voltage Range(VDC)	Positive/Negative Output(VDC)	Output Current(mA)	Effi(%)(Typ)	Isolation	Markings
QAxx3C-1504R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-4	+120/-120	87	5000VAC	RoHS   
QAxx3HC-1504R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-4	+120/-120	87	5000VAC	RoHS   
QAxx3HCD2-1504R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-4, +15/-4	+120/-120	85	5000VAC	RoHS
QAxx3C-1803R3	5/12	4.5-5.5, 10.8-13.2	+18/-3/-3.5	+80/-80, +100/-100	87	5000VAC	RoHS   
QAxx3HCD2-1803R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+18/-3, +18/-3	+110/-110	85	5000VAC	RoHS
QAxx3C-2005R3	12/15/24	4.5-5.5, 10.8-13.2, 13.5-16.5, 21.6-26.4	+20/-5	+90/-90	87	5000VAC	RoHS   
QAxx3HC-2005R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+20/-5	+90/-90	82	5000VAC	RoHS   
QAxx3HCD2-2005R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+20/-5, +20/-5	+90/-90	85	5000VAC	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
QAxx3HD2-1509R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-9, +15/-9	+100/-100	85	5000VAC	RoHS
QAxx3-1509R3	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   
QAxx3H-1509R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-9	+100/-100	87	5000VAC	RoHS   
QAxx3D-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 
QAxx1	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/-200	85	3000VDC	RoHS























Hybrid Integrated IGBT Driver

Series	VCE(max.)	Vin(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	+15V/-9V	±8A	20KHz	3750VAC	RoHS  
QP12W08S-37A	1700V	12	+15V/-9V	±8A	20KHz	3750VAC	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-CxxD	DC/DC EMC Filter	40-160VDC	10W/30W/50W/100W	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/5A/8A/12A/40A	PCB	RoHS
FC-LxxD	AC/DC EMC Filter	0-305VAC/85-305VAC	1.5A/3A	PCB	RoHS
FC-L03I(x)	AC/DC EMC Filter	0-305VAC	3.0A	DIN Rail	RoHS  
FC-LxxW	AC/DC EMC Filter	0-305VAC	3A/6A	PCB/DIN Rail/Wiring	RoHS  
FC-L04QB	AC/DC EMC Filter	0-305VAC	4A	PCB	RoHS  
FC-L10HB	AC/DC EMC Filter	0-305VAC	10A	PCB	RoHS  
FC-L01DR2	On-board EMC Filter	85-305VAC	1A	DIP	RoHS
FC-L01D	On-board EMC Filter	85-305VAC	1A	DIP	RoHS
FC-L01D2	On-board EMC Filter	85-305VAC	1A	DIP	RoHS
FC-LX1D	On-board EMC Filter	85-305VAC	1.5A	DIP	RoHS  
FC-LX1D2	On-board EMC Filter	85-305VAC	1.5A	DIP	RoHS  
FC-L03Ix	On-board EMC Filter	0-305VAC	3A	DIN Rail	RoHS  
FC-L03Wx	On-board EMC Filter	0-305VAC	3A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L06Wx	DIN Rail EMC Filter	0-305VAC	6A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L06I-CCS	DIN Rail EMC Filter	0-430VDC	6A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L10Wx	DIN Rail EMC Filter	0-305VAC	10A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L12I-CCS	DIN Rail EMC Filter	0-430VDC	12A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L16Wx	DIN Rail EMC Filter	0-305VAC	16A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L25Wx	DIN Rail EMC Filter	0-305VAC	25A	Integrated Wire Connection and DIN Rail	RoHS  
FC-L40Y	DIN Rail EMC Filter	0-305VAC	40A	Wiring	RoHS  

Analog Signal Conditioning Module

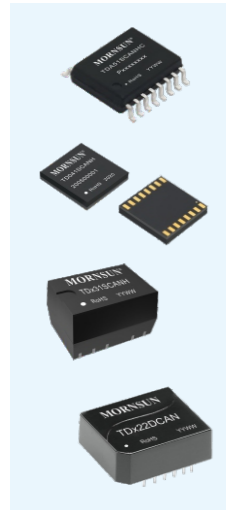
Series	Function	Input Signal	Output Signal	Isolation	Markings
TE_N	Active High-precision Input Signal Conditioning	0-1V/0-5V/0-10V/0-20mA/4-20mA	0-1V/0-2.5V/0-3.3V/0-5V/0-10V/1-5V	2000VAC	RoHS  
TEM_N	Active High-precision Millivolt-Input Signal Conditioning	±50mV/±75mV/±100mV/±200mV	0-5V/±5V/±10V	2000VAC	RoHS  
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  
TFW_N	Active High-precision PWM-Output Signal Conditioning	PWM (0-100%)	0-5V/0-10V/0-20mA	2000VAC	RoHS  
T_P	Active High-precision Well-rounded Signal Conditioning	0-10V/1-5V/0-20mA/4-20mA	0-2.5/0-5V/0-10V/1-5V/0-20mA/4-20mA	2500VDC	RoHS  
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  
T1100L	Passive High-precision Signal Conditioning	4-20mA	4-20mA	3000VDC	RoHS  
T1100L-F	Passive Loop Power Supply Signal Conditioning	4-20mA	4-20mA	3000VDC	RoHS  
T_HL	Two-wire Loop Power Supply Signal Isolation (with HART)	0-2.5V	3.7-22mA	2000VAC	RoHS  
T_L	Two-wire Loop Power Supply Signal Isolation	0-2.5V	3.7-22mA	2000VAC	RoHS  
TRP_P	Input Signal Conditioning (Thermistor)	Pt100	0-2.5V/4-20mA	2000VAC	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 NEW	6-36VDC	3.3-36	300,700	94	SMD	RoHS  

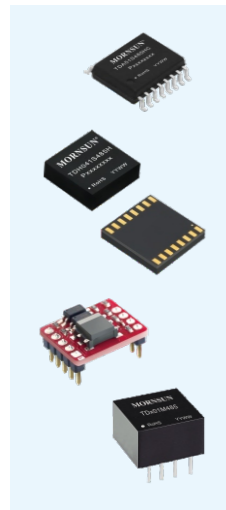
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Isolated CAN Bus Transceiver Module



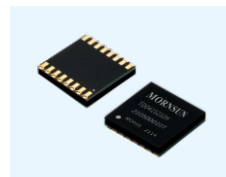
Series	Package	Integrated Power	Type	Protocol	Input Voltage	Baud Rate	Nodes	Markings
TDA51SCANHC	SOIC	YES	High-rate	CAN	5VDC	1Mbps	110	RoHS
TD541SCANH-S	DFN	YES	High-rate	CAN	5VDC	40k-1Mbps	110	RoHS
TD3/541SCANH	DFN	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD541SCANFD	DFN	YES	High-rate	CANFD	5VDC	5Mbps	110	RoHS
TD041SCANH-S	DFN	NO	High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD041SCANH	DFN	NO	High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD041SCANFD	DFN	NO	High-rate	CANFD	3.3/5VDC	40k-5Mbps	110	RoHS
TD3/531SCANH	SMD	YES	High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD3/531SCANFD	SMD	YES	High-rate	CANFD	3.3/5VDC	40k-5Mbps	110	RoHS
CTD3/531SCANH	SMD	YES	Automotive & High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD3/521SCAN(H)	SMD	YES	Universal	CAN	3.3/5VDC	5k-1Mbps/ 40k-1Mbps	110	RoHS
TD3/52xDCAN	DIP	YES	Universal	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TDH3/501DCAN	DIP	YES	High-isolated & High-rate	CAN	3.3/5VDC	5k-1Mbps	110	RoHS
TD3/501DCANH-W	DIP	YES	Wake-up & High-rate	CAN	3.3/5VDC	40k-1Mbps	110	RoHS
TD3/501MCAN	DIP	YES	Ultra-compact size	CAN	3.3/5VDC	40k-1Mbps	110	RoHS

Isolated RS-485 Transceiver Module




Series	Package	Integrated Power	Type	Protocol	Input Voltage	Baud Rate	Nodes	Markings
TD(H)3/541S485H(S)	DFN	YES	(Ultra) High-rate & Half-duplex	485	3.3/5VDC	10Mbps	256	RoHS
TDA51S485HC	SOIC	YES	High-rate & Half-duplex	485	5VDC	500kbps	256	RoHS
TD541S485H-S	DFN	YES	High-rate & Half-duplex	485	5VDC	1Mbps	256	RoHS
TD3/541S485H	DFN	YES	(Ultra) High-rate & Half-duplex	485	3.3/5VDC	1Mbps	256	RoHS
TD3/541S485H-A	DFN	YES	Automatic send/receive	485	3.3/5VDC	500kbps	256	RoHS
TD041S485H	DFN	NO	(Ultra) High-rate & Half-duplex	485	3.3/5VDC	1Mbps	256	RoHS
TD041S485H-A	DFN	NO	Automatic send/receive	485	3.3/5VDC	500kbps	256	RoHS
TD041S485S-F(1)	DFN	NO	High-rate & Full-duplex	485/422	3.3/5VDC	20Mbps	256	RoHS
TD3/541S485S-F(T/1)	DFN	YES	High-rate & Full-duplex	485/422	3.3/5VDC	20Mbps	256	RoHS
TD3/531S485(H/H-A/H-E)	SMD	YES	High-rate & Half-duplex	485	3.3/5VDC	19.2k-500kbps	128	RoHS
TD3/521S485(H/H-A/H-E)	SMD	YES	High-rate & Half-duplex	485	3.3/5VDC	19.2k-500kbps	128	RoHS
TD3/521D485(H/H-A/H-E)	DIP	YES	High-rate & Half-duplex	485	3.3/5VDC	19.2k-500kbps	128	RoHS
TD3/501D485(H/H-A/H-E)	DIP	YES	High-rate & Half-duplex	485	3.3/5VDC	9.6k-500kbps	128	RoHS
TDH3/501D485H(H2/H-E)	DIP	YES	High-isolated & Half-duplex	485	3.3/5VDC	115.2k-1Mbps	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

Current Transducer




Series	Function	Rated Current	Input Voltage	Current Measurement Range	Turn Ratio	Markings
TLx00-S	High Accuracy Hall Current Transducer	50,200,300	±12/±15VDC	±100A to ±300A	1:2000/1:2500/ 1:3500	RoHS
TLxx-A3TPV	PCB-type Hall Current Transducer	6,15,25,50	5VDC	±20A to ±150A	1:1600	RoHS
TLxx-A2(T)PV	PCB-type Hall Current Transducer	100,150,200	5VDC	±300A to ±500A	1:1800	RoHS
TLx00(P)-D1C	Disc-type Hall Current Transducer	100,200,300	±12/±15VDC	±150A to ±500A	1:2000	RoHS
TLx00-D2C	Disc-type Hall Current Transducer	100,300	±12/±15VDC	±150A to ±450A	1:1000/1:3000	RoHS
TL500(P)-D1C	Disc-type Hall Current Transducer	100,200,300	±15/±24VDC	±800A	1:5000	RoHS

Residual Current Detection Module




Series	Function	Mounting	Rated Residual Current(A)	Operating Temperature	Markings
TLB6-A1PV	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1PD	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1SVE	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1TDM	EV Charger Residual Current Protection Module (3-Phase)	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1TDMK	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1PDM	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1PDMK	EV Charger Residual Current Protection Module	PCB	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1PC	EV Charger Residual Current Protection Module	Wiring	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLB6-A1PCE	EV Charger Residual Current Protection Module	Wiring	DC: 6mA, AC: 30mA	-40°C to 85°C	RoHS
TLxxx-D3	Low-voltage Electrical Residual Current Protection Module	Wiring	30mA, 100mA, 300mA	-40°C to 85°C	RoHS

Contactor Control Module



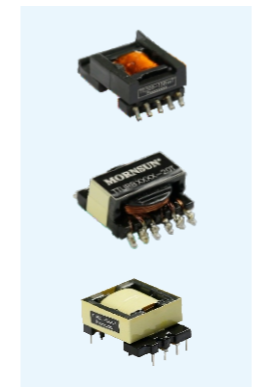
Series	Apparent Power	Control Voltage	Rated Operational Current	No-load Switching Frequency	Markings
KM95-C0-0	6.5VA	90-275 VAC/VDC	95A	3600 times/h	RoHS
KM115-C0-0	6.5VA	75-305 VAC/VDC	115A	3600 times/h	RoHS

DC Contactor



Series	Function	Mounting	Max. Operating Voltage	Continuous Current	Coil Voltage	Markings
KMJ200-xx	Low Voltage DC Contactor	Wiring	24V/48V	200A	12V/24V/48V/9-36V	RoHS
KMJ250-900-24MP	High Voltage DC Contactor	Wiring	900V	250A	9-36V	RoHS

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

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

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
SCM1302ASA	eSOP-8	≤2A	4.5-40VDC	Synchronous Buck	500
SCM1331ASA	eSOP-8	≤2A	4.5-40VDC	Synchronous Buck	1500

Transceiver IC

Series	Package	Type	Input Voltage	Bus-Pin Fault Protection	Transmission speed
SCM3406AFA	DFN 3X3	RS485	3-5.5VDC	-15V to +15V	10M
SCM3406ASA	SOP-8	RS485	3-5.5VDC	-15V to +15V	10M
SCM3421BSA	SOP-8	CAN	5VDC	-30V to +30V	5M
SCM3422BSA	SOP-8	CAN	5VDC	-58V to +58V	5M
SCM3425AFA	DNF	CAN	3-5.5VDC	-42V to +42V	5M
SCM3425ASA	SOP-8	CAN	3-5.5VDC	-42V to +42V	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

Caution

Purpose:

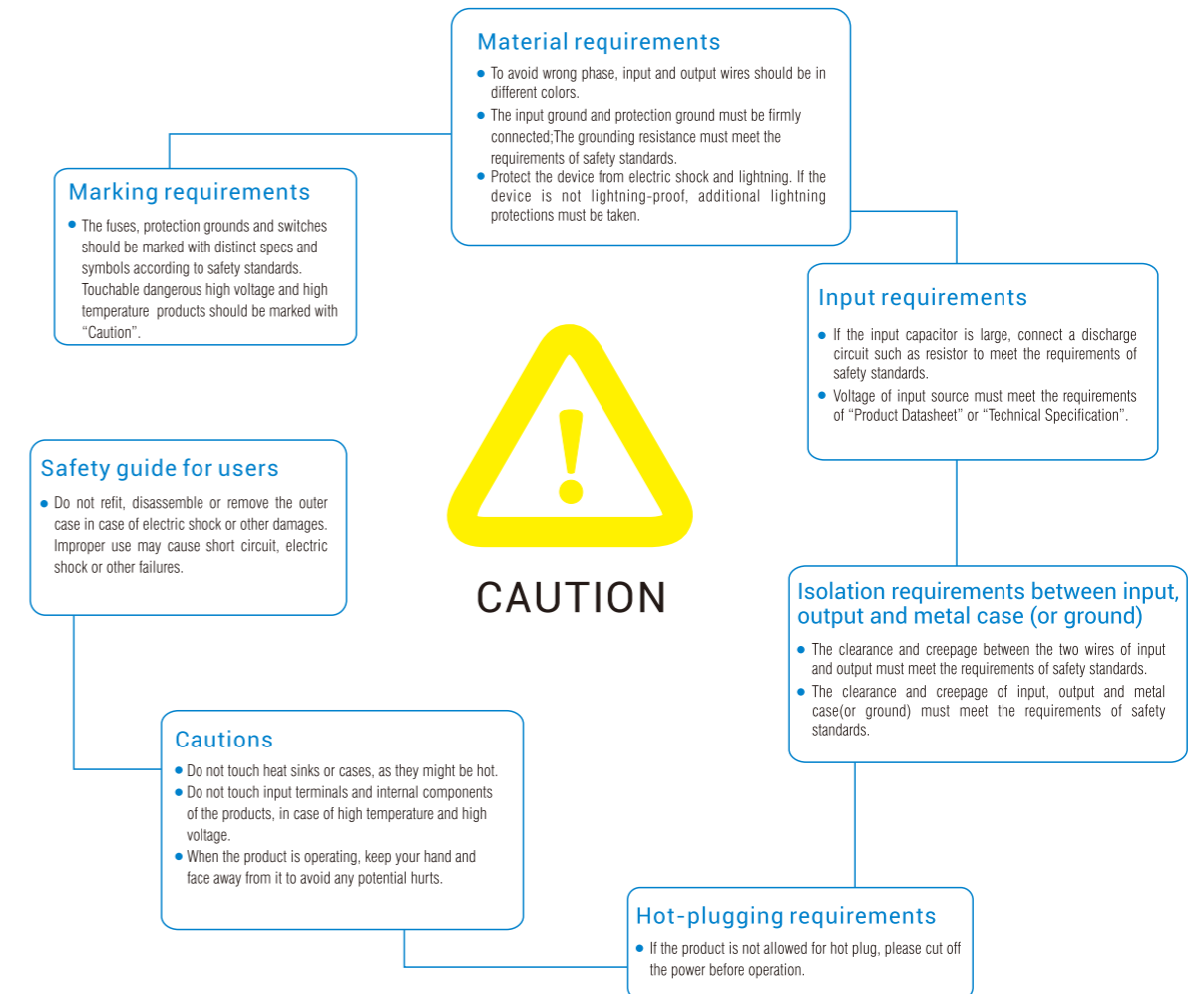
To prevent potential safety problems while using the products.

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 the Product Selection, Project Design, Production, and then use products according to the requirements listed in the Product Datasheet.



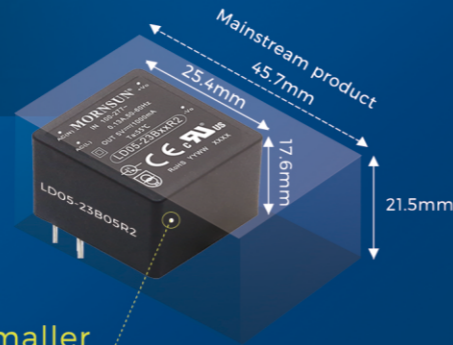
More information about application, please contact us.

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

LD-R2 Series

3-90W AC/DC Converter

- Compact
- Cost-effective
- Reliable



54.5% smaller
Size And Cost Reduction

MORNSUN 3-90W 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
- Operating temperature
-40°C to +85°C
- IEC/EN/UL62368
OVC III
- No-load power consumption < 0.1W
- EMI: Class B
EFT: ±2KV
Surge: Line-Line ±1KV
- Compact size
1x1 inch (3W,5W)



Website

Power Solution for EV Charging Station

- AC charging
- DC charging



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