

Distributions & Channels

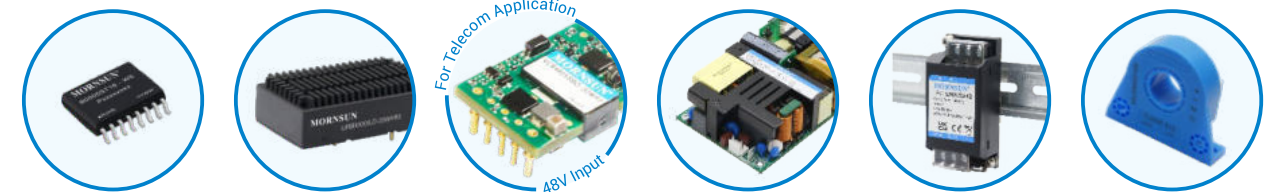
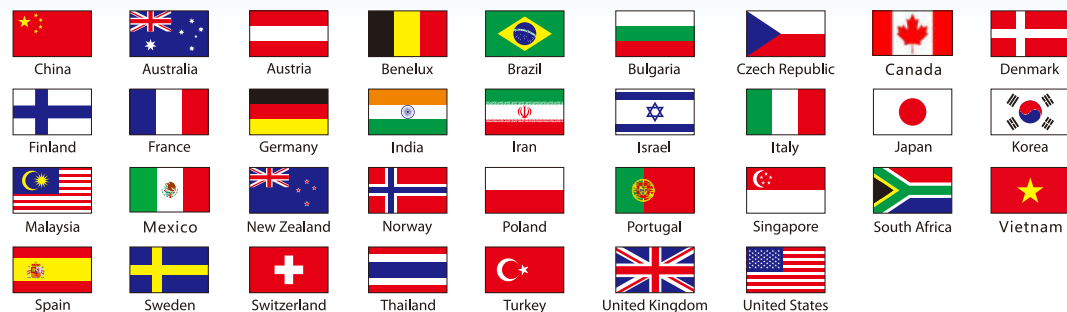
AbN
automation

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



MORNSUN Power

No.8 Nanyun 4th Road, Huangpu District, Guangzhou, China

Tel: 020-38601850

Fax: 020-38601272

Email: info@mornsun.cn

www.mornsun-power.com



mornsun website

Mornsun Power GmbH

Add: Friedrich-Bach-Straße 1 31675 Bückeburg

Tel: +49 (0) 89/693 350 20

Email: info@mornsunpower.de

www.mornsunpower.de

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

AbN
automation

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
Board Mount (1-90W)		DIY type LS	 09
		DIP Compact-size LD/LD-M/LD-WR2	 10
		Standard Package LH/LHE	 10
Industry Solutions (1-1200W)		AC/DC for TELECOM LBH/LBF	 09
		AC/DC for MEDICAL LH-MU/LO-MU/LOF	 11
		AC/DC for SMART CONNECTED DEVICE LS/LSF/CLS	 11
		AC/DC for ELECTRICITY LS/LD/LO	 11
		AC/DC for MINING (PVA: 85-900/1500VAC)	 12
		DC/DC for PV (PV: 100-1000/1500VDC)	 12

Fixed-input (0. 42-40W)



Fixed Input Isolated & Unregulated	 13
Fixed Input Isolated & Regulated	 14
High Output Voltage, Non-isolated & Regulated	 14
DC/DC for MEDICAL	 14

Switching Regulator (0. 5-60A)



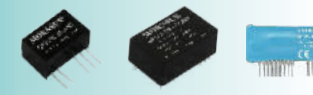
Non-isolated Switching Regulator	 15
Non-isolated PoL Power Supply	 15

Wide Input (1-1300W)



Buck/Buck-Boost Power Supply	 15
2:1 Wide Input, Isolated & Regulated	 16
4:1 Wide Input, Isolated & Regulated	 17
DC/DC for TELECOM	 18
DC/DC for RAILWAY	 18

Gate Driver Module



DC/DC for SiC Driver	 19
DC/DC for IGBT Driver	 19
Hybrid Intergrated IGBT Driver	 19

MORE PRODUCTS

EMC Auxiliary Device	 20
Analog Signal Conditioning Module	 20
LED Driver	 20
Isolated CAN/RS485/RS-232 Transceiver	 21
UART/SPI-CAN Protocol Conversion Module	 21

Current Transducer	 22
Residual Current Detecion Module	 22
Contactor Control Module	 22
DC Contactor / Transformer	 22
IC	 23

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 LM-R2 Series

NEW	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    
	LM200-20BxxR2	200W	90-132VAC/180-264VAC	12,15,24,36,48,54	4000VAC	159.00x97.00x30.00	RoHS    
	LM200-22BxxR2	200W	176-305VAC/240-430VDC	12,15,24,36,48,54	4000VAC	129.00x97.00x30.00	RoHS    
	LM350-20BxxR2	350W	90-132VAC/180-264VAC	12,15,24,36,48,54	4000VAC	179.00x106.00x30.00	RoHS   
	LM350-22BxxR2	350W	176-264VAC/240-370VDC	12,15,24,36,48,54	4000VAC	179.00x106.00x30.00	RoHS    

15-1000W Economical Single Output LM Series

NEW	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    
	LM25-23Bxx NEW	25W	85-305VAC/100-430VDC	3,3,5,12,15,24,48	4000VAC	80.00x55.00x25.00	RoHS    
	LM35-23Bxx NEW	35W	85-305VAC/120-430VDC	5,12,15,24	4000VAC	99.00x82.00x30.00	RoHS    
	LM50-23Bxx NEW	50W	85-305VAC/120-430VDC	5,12,15,24,36,48	4000VAC	99.00x82.00x30.00	RoHS    
	LM75-23Bxx NEW	75W	85-305VAC/120-430VDC	5,12,15,24,36,48	4000VAC	99.00x97.00x30.00	RoHS    
	LM100-23Bxx NEW	100W	85-305VAC/120-430VDC	5,12,15,24,36,48	4000VAC	129.00x97.00x30.00	RoHS    
	LM150-23Bxx NEW	150W	85-305VAC/120-430VDC	12,15,24,36,48	4000VAC	159.00x97.00x30.00	RoHS    
	LM35-20Bxx	35W	85-264VAC/120-370VDC	5,12,15,24	4000VAC	99.00x82.00x30.00	RoHS   
	LM50-20Bxx	50W	85-264VAC/120-370VDC	5,12,15,24,36,48	4000VAC	99.00x82.00x30.00	RoHS   
	LM75-20Bxx	75W	85-264VAC/120-370VDC	5,12,15,24,36,48	4000VAC	99.00x97.00x30.00	RoHS   
	LM100-20Bxx	100W	85-264VAC/120-370VDC	5,12,15,24,36,48	4000VAC	129.00x97.00x30.00	RoHS   
	LM150-20Bxx	150W	85-264VAC/120-370VDC	12,15,24,36,48	4000VAC	159.00x97.00x30.00	RoHS   
	LM200-10Bxx	200W	90-132VAC/180-264VAC	5,12,15,24,36,48	3000VAC	179.00x99.00x30.00	RoHS   
	LM350-10Bxx	350W	90-132VAC/180-264VAC	5,12,15,24,36,48	3000VAC	215.00x115.00x30.00	RoHS   
	LM450-20Bxx	450W	90-132VAC/180-264VAC	12,15,24,27,36,48	4000VAC	225.00x124.00x35.00	RoHS    (Pending)
	LM600-20Bxx	600W	90-132VAC/180-264VAC	12,15,24,27,36,48	4000VAC	225.00x124.00x41.00	RoHS    (Pending)
	LM1000-20Bxx	1000W	90-132VAC/180-264VAC	12,15,24,36,48,54	4000VAC	278.00x127.00x63.50	RoHS    (Pending)
	LM350-12Bxx	350W	176-264VAC/240-370VDC	5,12,15,24,36,48	3000VAC	215.00x115.00x30.00	RoHS   
	LM450-12Bxx NEW	450W	176-264VAC/240-373VDC	12,15,24,27,36,48	3000VAC	215.00x115.00x30.00	RoHS  
	LM600-12Bxx NEW	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

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  
LM35-10Cxx	35W	85-264VAC/120-370VDC	+5/+12/-12, +5/+15/-15, +5/+24/+12	3000VAC	99.00x97.00x30.00	RoHS  
LM35-10Dxx	35W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS    
LM50-10Axx	50W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS  
LM50-10Axx	50W	85-264VAC/120-370VDC	+12/-12	3000VAC	99.00x97.00x30.00	RoHS  
LM50-10Cxx	50W	85-264VAC/120-370VDC	+5/+12/-12, +5/+15/-15, +5/+24/+12	3000VAC	99.00x97.00x30.00	RoHS  
LM50-10Dxx	50W	85-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	99.00x97.00x30.00	RoHS  
LM60-10Axx	60W	85-264VAC/120-370VDC	+15/-15	3000VAC	99.00x97.00x30.00	RoHS  
LM60-12Axx	60W	165-264VAC/180-370VDC	+15/-15	3000VAC	99.00x97.00x30.00	RoHS  
LM75-10Axx	75W	90-264VAC/120-370VDC	+5/+12, +5/+24	3000VAC	129.00x97.00x30.00	RoHS  
LM75-10Cxx	75W	90-264VAC/120-370VDC	+5/+12/-12, +5/+15/-15, +5/+24/+12	3000VAC	129.00x97.00x30.00	RoHS  
LM75-10Dxx	75W	90-264VAC/120-373VDC	+5/+12, +5/+24	3000VAC	129.00x97.00x30.00	RoHS    
LM90-12Axx	90W	165-264VAC/180-370VDC	+15/-15	3000VAC	129.00x97.00x30.00	RoHS  
LM100-10Cxx NEW	100W	90-264VAC/120-370VDC	+5/+12/-12, +5/+15/-15, +5/+24/+12	3000VAC	159.00x97.00x30.00	RoHS  
LM100-10Dxx NEW	100W	90-264VAC/120-370VDC	+12/+24, +5/+24	3000VAC	159.00x97.00x30.00	RoHS  
LM150-12Axx NEW	150W	165-264VAC/180-370VDC	+15/-15	3000VAC	159.00x97.00x30.00	RoHS  
LM150-12Dxx NEW	150W	176-264VAC/250-373VDC	+5/+12	3000VAC	179.00x99.00x30.00	RoHS

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  
LMF100-23Bxx	100W	85-305VAC/120-430VDC	12,15,24,48	4000VAC	179.00x99.00x30.00	RoHS   
LMF150-23Bxx	150W	85-305VAC/120-430VDC	12,15,24,48	4000VAC	179.00x99.00x30.00	RoHS   
LMF200-23Bxx	200W	85-305VAC/120-430VDC	12,15,24,48	4000VAC	179.00x99.00x30.00	RoHS   
LMF320-23Bxx	320W	85-305VAC/120-430VDC	5,12,15,24,27,48	4000VAC	215.00x115.00x30.00	RoHS    
LMF500-20Bxx NEW	500W	80-264VAC/110-370VDC	3,3,5,12,15,24,27,36,48,54	4000VAC	203.10x101.60x40.60	RoHS   
LMF600-20Bxx NEW	600W	80-277VAC/110-390VDC	12,15,24,27,36,48,54	4000VAC	203.10x101.60x40.60	RoHS    
LMF750-20Bxx NEW	750W	85-264VAC/120-370VDC	12,15,24,27,48	4000VAC	187.50x127.00x40.50	RoHS  
LMF1000-20Bxx NEW	1000W	90-264VAC/120-370VDC	12,15,24,27,36,48,54	4000VAC	190.00x127.00x40.50	RoHS    
LMF1500-20Bxx NEW	1500W	85-264VAC/120-370VDC	12,15,24,27,36,48,54	4000VAC	250.00x127.00x40.50	RoHS  
LMF2000-20Bxx NEW	2000W	85-264VAC/120-370VDC	12,24,48	4000VAC	290.00x127.00x40.50	RoHS 
LMF3000-20Bxx NEW	3000W	85-277VAC/120-390VDC	12,24,48	4000VAC	279.40x177.80x63.50	RoHS 
LMF5000-25Bxx NEW	5000W	3W+PE△196-305VAC/3W+N+PE Y340-530VAC	24	4000VAC	460.00x211.00x83.50	RoHS  </

AC/DC Economical DIN Rail

AbN
automation

AC/DC High-reliability 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



- 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

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

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
	L175-23BxxR3 NEW	75W	85-305VAC/120-430VDC	12,24,48	4000VAC	32.00x110.00x87.50	RoHS (Pending)
	L1120-20BxxR2S	120W	90-264VAC/127-370VDC	12,24,48	4000VAC	36.00x125.00x100.00	RoHS (Pending)
	L1120-23BxxR3 NEW	120W	85-305VAC/120-430VDC	24,48	4000VAC	32.00x125.00x87.50	RoHS (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
	LIF120-10BxxR2S-EX	120W	85-264VAC/120-370VDC	12,24,48	3000VAC	32.00x124.00x110.00	RoHS ATEX IECEx
	LIF240-10BxxR2 NEW	240W	85-264VAC/120-370VDC	12,24,48,55	3000VAC	41.00x124.00x110.00	RoHS
	LIF240-10BxxR2S NEW	240W	85-264VAC/120-370VDC	12,24,48	3000VAC	54.00x124.00x110.00	RoHS
	LIF480-10BxxR2 NEW	480W	85-264VAC/120-370VDC	24,48	3000VAC	48.00x125.00x131.50	RoHS

LIF960-22Bxx NEW	960W	180-264VAC/254-370VDC	24,48	4000VAC	110.00x124.00x127.00	RoHS
-------------------------	------	-----------------------	-------	---------	----------------------	------

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
	L1120-26Bxx	120W	180-600VAC/254-848VDC	12,24,48	4000VAC	41.00x124.00x110.00	RoHS (Pending)
	LIF240-26Bxx	240W	180-550VAC/254-780VDC	24,48	4000VAC	54.00x124.00x110.00	RoHS (Pending)
	LIT240-26Bxx	240W	320-600VAC/450-850VDC	24,48	4000VAC	54.00x124.00x110.00	RoHS (Pending)
	LIF480-26Bxx	480W	180-600VAC/250-850VDC	24,48	4000VAC	80.00x124.00x127.00	RoHS
	LITF480-26BxxS	480W	320-550VAC/450-800VDC	24,48	4000VAC	80.00x124.00x127.00	RoHS
	LITF960-26BxxS	960W	320-575VAC/450-820VDC	24,48	4000VAC	110.00x124.00x127.00	RoHS

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 (Pending)
	LIMF240-23Bxx	240W	85-277VAC/120-390VDC	12,24,48	4000VAC	48.00x124.00x121.00	RoHS (Pending)
	LIMF480-23Bxx	480W	85-277VAC/120-390VDC	24,48	4000VAC	55.00x124.00x124.00	RoHS (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 (Pending)
	LIHF480-23Bxx	480W	85-277VAC/120-390VDC	24,48	4000VAC	70.00x130.00x125.00	RoHS (Pending)
	LIHF960-23Bxx	960W	85-277VAC/120-390VDC	24,48	4000VAC	125.00x130.00x133.00	RoHS (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 (Pending)
	LITF960-26Bxx	960W	320-600VAC/450-800VDC	24,36,48	4000VAC	110.00x124.00x127.00	RoHS (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	80PLUS PLATINUM 550W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS
	LMS800-P12B	80PLUS PLATINUM 800W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS
	LMS1300-P12B	80PLUS PLATINUM 1300W	90-264VAC/180-320VDC	12	3000VAC	73.50x185.00x40.00/39.00	RoHS

AC/DC Converter

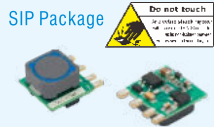
3-15W Cost-effective DIY type LS Series

	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   CB 
	LS05-13BxxR3(-F) NEW	5W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	3600VAC	27.84x11.60x17.60	RoHS   CB 
	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   CB 
	LS10-13BxxR3P(-F)	10W	85-305VAC/90-430VDC	3.3,5,9,12,15,24	3600VAC	28.84x17.20x14.05	RoHS   CB 
	LS10-13Dxx	10W	85-305VAC/70-430VDC	5/5,12/12, 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   CB 

5-15W Encapsulated DIY type LS Series

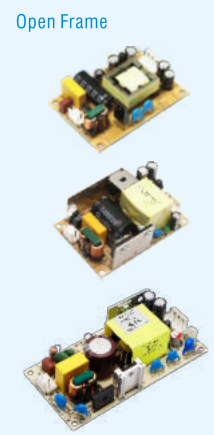
	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
	LS05-23BxxDR3	5W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	4000VAC	27.60x18.50x7.80	RoHS 
	LS15-23BxxDR3	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	33.34x21.50x9.72	RoHS 

1-5W non-isolated DIY type LS-K3B Series

	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

	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	Telecom	150W	85-305VAC/120-430VDC	12,24,28,48,54	63.14x60.60x12.70	RoHS
LBH300-13Bxx	Telecom	300W	85-305VAC/120-430VDC	12,24,28	63.14x60.60x12.70	RoHS CE ㉔
LBF750-13Bxx	Telecom	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

	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   CB 
	LD05-23BxxR2 NEW	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS   CB 
	LD10-2WBxx 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   CB 
	LD15-23BxxR2 NEW	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	47.60x26.80x23.50	RoHS   CB 
	LD20-23BxxR2 NEW	20W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4200VAC	52.40x27.20x24.00	RoHS   CB 
	LD30-23BxxR2 NEW	30W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	4200VAC	69.50x39.00x24.00	RoHS   CB 
	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)
	LD05-23BxxR2-M NEW	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	45.70x25.40x21.50	RoHS   CB 
	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   CB 
	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	RoHS  (Pending)
	LD20-23BxxR2-RC NEW	20W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	4200VAC	52.40x27.20x24.00	RoHS   CB 
	LD03-23BxxWR2 NEW	3W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS   CB 
	LD05-23BxxWR2 NEW	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS   CB 
	LD15-23BxxWR2 NEW	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	4000VAC	25.40x25.40x17.60	RoHS   CB 
	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  (Pending)
LH10-23BxxR2 NEW	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	/	4200VAC	55.00x45.00x21.00	RoHS   CB 
LH15-23BxxR2 NEW	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	/	4200VAC	62.00x45.00x22.50	RoHS   CB 
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   CB 
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   CB 
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

 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 ㉔
LH25-20BxxMU	25W	85-264VAC/100-370VDC	5,12,15,18,24	70.00x48.00x23.50	RoHS CE CB ㉔
LO30-20BxxMU	30W	85-264VAC/100-370VDC	3,3,5,12,15,19,24,36,48	76.20x50.80x26.50	RoHS ㉔ ㉔ CE ㉔
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 ㉔ ㉔ CE ㉔
LO45-20BxxSMU(-C) 5 years warranty	45W	80-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS ㉔ ㉔ CE ㉔
LO65-20BxxMU(-C)	65W	85-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS ㉔ ㉔ CE ㉔
LO65-20BxxSMU(-C) 5 years warranty	65W	80-264VAC/100-370VDC	3,3,5,12,15,24,36,48		RoHS ㉔ ㉔ CE ㉔
LO75-20BxxMU	75W	85-264VAC	5,12,15,19,24,36,48,55	101.60x50.80x32.00	RoHS
LO120-20BxxMU	120W	85-264VAC/120-370VDC	12,15,24,27,36,48,54	101.60x50.80x32.00	RoHS ㉔ ㉔ CE ㉔
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 ㉔ ㉔ CE CB ㉔
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 ㉔ ㉔ CE CB ㉔
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 ㉔
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 ㉔ ㉔ CE CB ㉔
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 ㉔ ㉔ CE CB ㉔ (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 ㉔ ㉔ CE CB ㉔ (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 ㉔ (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 ㉔
LS05-13Hxx Meter	5W	85-305VAC/70-430VDC	5/5,5/12	32.84x16.79x12.00	RoHS CE ㉔
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 ㉔
LS10-26BxxR3	10W	85-528VAC/100-745VDC	3,3,5,9,12,15,24	38.00x20.00x15.25	RoHS CE ㉔
LD10-26Bxx	10W	90-528VAC/100-745VDC	3,3,5,9,12,15,24	62.00x45.00x30.00	RoHS CE ㉔
LD15-25BxxR2	15W	176-418VAC/248-591VDC	5,9,12,15,24	52.40 x 27.20 x 24.00	RoHS CE ㉔
LD20-26Bxx	20W	90-528VAC/100-745VDC	3,3,5,9,12,15,24	70.00 x 48.00 x 30.00	RoHS ㉔ ㉔ CE ㉔
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 ㉔ (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 ㉔
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 ㉔
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 ㉔
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 ㉔ ㉔ CE CB ㉔
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

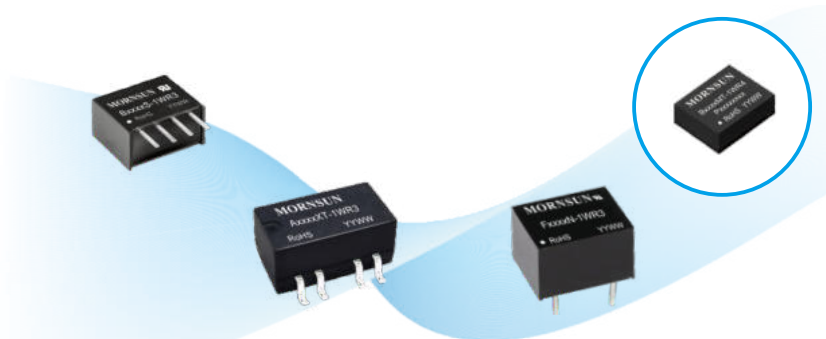
 15-1200W DC/DC Converter Specialized for PV INDUSTRY

Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Dimension (mm)	Markings
PV50-2YxxR3 NEW	50W	80-1000	12,24	4000VAC	134.00x58.80x37.00	RoHS
PV75-2YxxR3 NEW	75W	80-1000	12,15,24	4000VAC	140.00x70.00x42.00	RoHS ㉔ CE CB ㉔
PV120-2YBxx NEW	120W	250-850	12,24,48	4000VAC	118.00x124.60x43.10	RoHS
PV15-27BxxR3 NEW	15W	100-1000VDC	12,15,24	4000VAC	70.00x48.00x23.50	RoHS CE ㉔
PV40-27BxxR2	40W	200-1200VDC	12,15,24,28	4000VAC	89.00x63.50x25.00	RoHS ㉔ CE ㉔
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 ㉔
PV1000-27Bxx NEW	1000W	300-1000VDC	24,48	4000VAC	292.00x225.00x58.00	RoHS
PV15-29BxxR3 NEW	15W	200-1500VDC	5,12,15,24	4000VAC	89.00x63.50x25.00	RoHS ㉔ CE ㉔
PV40-29Bxx	40W	200-1500VDC	12,15,24	4000VAC	125.00x75.00x40.00	RoHS ㉔ CE CB ㉔
PV40-29BxxR3 NEW	40W	250-1500VDC	12,24,28,48	4000VAC	109.00x58.50x30.00	RoHS ㉔ CE ㉔
PV175-29Bxx NEW	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 CE CB ㉔ ㉔
PV200-29Bxx	200W	300-1500VDC	24,32,48	4000VAC	215.00x125.00x50.00	RoHS CE CE ㉔
PV350-29Bxx NEW	350W	200(300)-1500VDC	12,24,28,32,48	4000VAC	215.00x125.00x50.00	RoHS ㉔ CE CB ㉔
PV1200-29Bxx NEW	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

DC/DC Converter



- $\pm 5\%$, $\pm 10\%$ 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 $+85^{\circ}\text{C}$
- Continuous short-circuit protection
- Pin-out compatible with LM78xx linear regulators

Fixed Input Voltage, Isolated & Unregulated Output Series

NEW



SOIC16



DFN Package

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
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  SMD 8  SMD 10	A_XT-1WR3	1W	3.3,5,12,15,24	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	SMD 10	15.24x11.40x7.25	RoHS
	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
	E_XT-1WR3	1W	3.3,5,12,15,24	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	3000VDC	SMD 10	15.24x11.40x7.25	RoHS
	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
	FB0505XT-1WR3	1W	5	5	4200VDC	SMD 10	15.24x11.40x7.25	RoHS
	B_XT-2WR3	2W	5,12,15,24	3.3,5,7,9,12,15,24	1500VDC	SMD 8	13.20x11.40x7.25	RoHS
	F_XT-2WR3	2W	5,12,15,24	3.3,5,7,9,12,15,24	3000VDC	SMD 8	13.20x11.40x7.25	RoHS

SIP Package  4-SIP  7-SIP  7-SIP  9-SIP	A_S-1WR3	1W	3.3,5,9,12,15,24	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	6-SIP	19.65x6.00x10.16	RoHS
	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
	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
	E_S-1WR3	1W	3.3,5,12,15,24	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	3000VDC	7-SIP	19.65x6.00x10.16	RoHS
	F_S-1WR3	1W	3.3,5,12,15,24	3.3,5,12,15,24	3000VDC	7-SIP	19.65x6.00x10.16	RoHS
	G_S-1WR3	1W	12,24	$\pm 5, \pm 12, \pm 15$	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	$\pm 5, \pm 12, \pm 15$	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	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	6-SIP	19.50x7.05x10.16	RoHS
	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
	E_S-2WR3	2W	5,12,15,24	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	3000VDC	7-SIP	19.65x7.05x10.16	RoHS
	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
	G_S-2WR3	2W	12	$\pm 5, \pm 9, \pm 12, \pm 15$	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	$\pm 5, \pm 9, \pm 12, \pm 15$	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  8-DIP  14-DIP	F_N-1WR3	1W	5,12	3.3,5,7,2,9,12,15,24	3000VDC	7-DIP	12.70x10.16x8.20	RoHS
	A_D-1WR3	1W	12,15,24	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	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
	E_D-1WR3	1W	5,12,15,24	$\pm 5, \pm 9, \pm 12, \pm 15$	3000VDC	14-DIP	20.00x10.00x7.00	RoHS
	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	$\pm 3.3, \pm 5, \pm 7, \pm 9, \pm 12, \pm 15, \pm 24$	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	$\pm 3.3, \pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	3000VDC	14-DIP	20.32x10.16x8.20	RoHS
	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

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
	IB_XT-1WR3	1W	5,12,15,24	3.3,5,9,12,15	1500VDC	SMD 10	15.24x11.40x7.25	RoHS
SIP Package 	IF_XT-1WR3	1W	5,12,24	3.3,5,9,12,15	3000VDC	SMD 10	15.24x11.40x7.25	RoHS
	IB_S-W75R3	0.75W	5,12,24	3.3,5,9,12,15	1500VDC	4-SIP	11.60x6.00x10.16	RoHS
	IB_LS-1WR3	1W	5,12,15,24	3.3,5,9,12,15,24	1500VDC	6-SIP	19.65x6.00x10.16	RoHS
	IF_S-1WR3	1W	5,12,15,24	3.3,5,9,12,15,24	3000VDC	6-SIP	19.65x6.00x10.16	RoHS
	IE_KS-1WR3	1W	5,24	$\pm 5, \pm 9, \pm 12, \pm 15$	3000VDC	10-SIP	27.50x9.50x12.00	RoHS

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
	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
	H01-P(N)1201-0.6B	0.72W	5	+1200/-1200	0 to +1200 / 0 to -1200	DIP	15.00x15.00x18.00	RoHS
	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
	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
SIP Package 	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

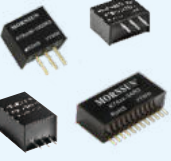
SIP Package  	Series	Power	Input Voltage Range	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	G_S-1WR3	1W	12,24	$\pm 5, \pm 12, \pm 15$	6000VDC	SIP	19.50x9.80x12.50	RoHS
DIP Package 	H_S-1WR3	1W	12,24	3.3,5,9,12,15,24	6000VDC	SIP	19.50x9.80x12.50	RoHS
	G_WS-1WR3	1W	12,24	$\pm 5, \pm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

DC/DC Converter

AbN
automation

DC/DC Converter

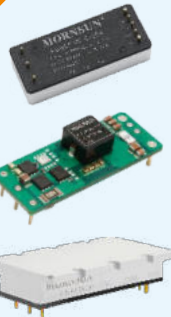
Non-isolated Switching Regulator

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 ㉔
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 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
	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, 9, 12, 15, -5, -12, -15	3-SIP	11.50x7.50x17.50	RoHS ㉔ CE CB ㉔
	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 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 	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
	KAE24_T-0.5A NEW	500	6.5-28V	3.3, 5	Micro	4.00x3.00x2.68	RoHS
	KAP05_T-1A NEW	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 ㉔
	K12T-10A-P(N)	10000	8.3-14	0.75-5.5	SMD	33.00x13.50x8.30	RoHS CE ㉔
	K12T-16A-P(N)	16000	8.3-14	0.75-5.5	SMD	33.00x13.50x8.30	RoHS CE ㉔
NEW 	K12T-20A-P(N)	20000	8-14	0.6-5.0	SMD	33.00x13.50x9.90	RoHS CE ㉔
	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 ㉔
	KUB48_EBF-10A(-RS)	0-1000	9-60	0-60	SMD	60.80x36.83x12.70	RoHS CE ㉔
	KUB48_QB-10A	10000	30-75	12, 24	SMD	59.20x37.60x13.00	RoHS CE ㉔
	KUB_48EB-10A	10000	14.5-75, 14.5-90	20-55	SMD	60.80x25.00x12.70	RoHS CE ㉔
	KUB_48EBF-10A	10000	14.5-75, 14.5-90	20-55	SMD	60.80x36.83x12.70	RoHS CE ㉔
	KJB48_SBO-10A	10000	18-85	5, 12, 15, 24	SMD	33.02x22.86x11.80	RoHS CE ㉔
	KJB48_EB(F)-10A	10000	18-85	5, 12, 15, 24, 36	SMD	60.80x25.00x12.70	RoHS CE ㉔
	KJB48_EB(F)-15A	15000	43-85	36	SMD	60.80x25.00x12.70	RoHS CE ㉔
	KJB48_EB(F)-20A	20000	14.5-85	5, 12, 15, 24	SMD	60.80x25.00x12.70	RoHS CE ㉔



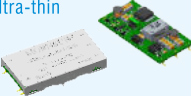
- 2:1, 4:1 input voltage range
- SIP, DIP, SMD, chassis mounting, DIN-Rail mounting
- Remote On/Off and output voltage trimming
- No overshoot voltage when switching
- EMI meets CISPR32/EN55032 CLASS A
- Continuous short-circuit protection, self-recovery

Wide Input Voltage, Isolated & Regulated Output Series (2:1)

SIP Package 	Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
NEW 	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 CB 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
	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
	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 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
	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
	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
	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 CB 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
	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 ㉔
	VRB_J(M)D/T-6W	6W	9-18, 18-36	3.3, 5, 12, 15	1500VDC	DIP/SMD	33.78x19.10x7.00	RoHS ㉔ CE CB ㉔

DC/DC Converter

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

SIP Package 	Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Package	Dimension (mm)	Markings
	UWE_S-1WR3	1W	4.5-36	±5, ±12, ±15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	UWF_S-1WR3	1W	4.5-36	5,12,15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	UWE_S-3WR3	3W	4.5-36	±5, ±12, ±15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	UWF_S-3WR3	3W	4.5-36	5,12,15	3000VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	URD_S-3WR3	3W	18-75	5/5,5/12,5/24	3000VDC	SIP	27.40x9.50x12.00	RoHS CE 𐄂
	URA_S-6WR3	6W	9-36	±5, ±9, ±12, ±15, ±24	1500VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	URB_S-6WR3	6W	9-36	3,3,5,9,12,15,24	1600VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
	URB_S-10WR3	10W	9-36	3,3,5,9,12,15,24	1500VDC	SIP	22.00x9.50x12.00	RoHS CE 𐄂
DIP Package  DIP 24	URH_P-6WR3	6W	9-36,18-75	5,6,9,12,15,18,24	6000VDC	DIP ,Plastic	31.60x20.30x10.20	RoHS CE 𐄂
	URE_P-6WR3	6W	9-36,18-75	±5, ±12, ±15	3000VDC	DIP ,Plastic	31.60x20.30x10.20	RoHS 𐄂 RoHS CE CB 𐄂
	URF_P-6WR3	6W	9-36,18-75	3,3,5,9,12,15,24,25	3000VDC	DIP ,Plastic	31.60x20.30x10.20	RoHS 𐄂 RoHS CE CB 𐄂
	URA_ZP-6WR3	6W	9-36,18-75	±5, ±9, ±12, ±15, ±24	1500VDC	DIP ,Metal	32.00x20.00x10.80	RoHS 𐄂 RoHS CE CB 𐄂
	URB_ZP-6WR3	6W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP ,Metal	32.00x20.00x10.80	RoHS 𐄂 RoHS CE CB 𐄂
	URA_ZP-10WR3	10W	9-36,18-75	±5, ±12, ±15	1500VDC	DIP ,Metal	32.00x20.00x10.80	RoHS CE 𐄂
	URB_ZP-10WR3	10W	9-36,18-75	3,3,5,12,15,24	1500VDC	DIP ,Metal	32.00x20.00x10.80	RoHS CE 𐄂
	URA_YMD-6WR3	6W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
	URB_YMD-6WR3	6W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
DIP Package  1×1inch	URA_YMD-10WR3	10W	9-36,18-75	±5, ±9, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
	URB_YMD-10WR3	10W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
	URD_YMD-10WR3	10W	18-75	5/5,5/12,5/24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URA_YMD-15WR3	15W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URB_YMD-15WR3	15W	9-36,18-75	3,3,5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
	URA_YMD-20WR3	20W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URB_YMD-20WR3	20W	9-36,18-75	3,3,5,6,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS 𐄂 RoHS CE CB 𐄂
	URA_YMD-30WR3	30W	18-75	±12, ±15, ±24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URB_YMD-30WR3	30W	18-75	5,12,15,24	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
DIP Package  2×1inch	URB_YMD-40WR3	40W	9-36,18-75	3,3,5,12,15,24,28	1500VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URE_LP-10WR3	10W	9-36,18-75	±5, ±12, ±15	3000VDC	DIP ,Plastic	51.50x26.50x12.00	RoHS 𐄂 RoHS CE CB 𐄂
	URF_LP-10WR3	10W	9-36,18-75	3,3,5,9,12,15,24	3000VDC	DIP ,Plastic	51.50x26.50x12.00	RoHS 𐄂 RoHS CE CB 𐄂
	URF_LP-20WR3	20W	9-36,18-75	3,3,5,9,12,15,24	3000VDC	DIP ,Plastic	51.50x26.50x12.00	RoHS 𐄂 RoHS CE CB 𐄂
	URH_LP-20WR3	20W	9-36,18-75	3,3,5,12,15,24	5000VAC	DIP ,Plastic	51.50x26.50x12.00	RoHS CE 𐄂
	URA_LD-20WR3	20W	9-36,18-75	±5, ±9, ±12, ±15	1500VDC	DIP ,Metal	50.80x25.40x11.80	RoHS 𐄂 RoHS CE CB 𐄂
	URB_LD-20WR3	20W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP ,Metal	50.80x25.40x11.80	RoHS 𐄂 RoHS CE CB 𐄂
	URD_LD-20WR3	20W	18-75	5/5,5/12,5/24	3000VDC	DIP ,Metal	50.80x25.40x11.80	RoHS CE 𐄂
	URA_LD-30WR3	30W	9-36,18-75	±5, ±12, ±15, ±24	1500VDC	DIP ,Metal	50.80x25.40x11.80	RoHS CE 𐄂
DIP Package  1/4 Brick	URB_LD-30WR3	30W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	DIP ,Metal	50.80x25.40x11.80	RoHS 𐄂 RoHS CE CB 𐄂
	URD_D-30WR3	30W	18-75	5/24	3000VAC	DIP ,Metal	70.00x48.00x26.00	RoHS
	URB_LD-40WR3	40W	9-36,18-75	5,12,15,24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URA_LD-60WR3	60W	9-36	±12, ±15, ±24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URB_LD-60WR3	60W	9-36	5,12,15,24	1500VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URF_QB-75WR3	75W	18-75	5,12,15,24,48	2250VDC	DIP	62.00x56.00x14.60	RoHS CE 𐄂
	URF_QB-100WR3	100W	9-36,18-75,19-75	3,3,5,12,15,24,28,48	2250VDC	DIP	62.00x56.00x14.60	RoHS CE 𐄂
	URF_QB-150WR3	150W	18-75	5,12,15,24,48	2250VDC	DIP	62.00x56.00x14.60	RoHS CE 𐄂
	URF_QB-200WR3	200W	18-75	5,12,15,24,36,42,5,48	2250VDC	DIP	62.00x56.00x14.60	RoHS CE 𐄂
Ultra-thin 	URB_MT-3WR3	3W	9-36,18-75	3,3,5,9,12,15,24	1500VDC	SMD	19.20x18.10x10.16	RoHS 𐄂 RoHS CE 𐄂
	URB_J(M)/T-3W	3W	4.5-9,9-36	3,3,5,12,15,24	1500VDC	DIP/SMD	26.20x16.40x6.80	RoHS CE 𐄂
	URB_J(M)/T-10W	10W	9-36	5,12,15,24	1500VDC	DIP/SMD	41.40x22.00x7.00	RoHS 𐄂 RoHS CE CB 𐄂
	URB_J(M)/T-15W	15W	9-36,18-75	3,3,5,12,15	1500VDC	DIP/SMD	39.90x29.50x6.80	RoHS CE 𐄂

DC/DC Converter

NEW  SIP Package	 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 𐄂
NEW  1/16 Brick	VCB48_S0-6WR3	6W	36-75	5,12,15,24	1500VDC	SIP	22.00x12.80x8.20	RoHS CE 𐄂
	VCB_SBO-10WR3	10W	36-75	5,12,15,24	1500VDC	DIP	33.02x22.86x11.40	RoHS CE 𐄂
	VCB_SBO-20WR3	20W	36-75	3,3,5,12,15,24,28	1500VDC	DIP	33.02x22.86x12.60	RoHS CE 𐄂
	VCB_SBO-30WR3	30W	36-75	5,12,15,24,28	1500VDC	DIP	33.02x22.86x9.18	RoHS CE 𐄂
	VCB_SBO-50WR3(-N)	50W	36-75	5,12	1500VDC	DIP	33.02x22.86x9.70	RoHS CE 𐄂
	VCB_SBO-75W(F)R3(-N)	75W	36-75	5,12,28	1500VDC	DIP	33.02x22.86x9.75	RoHS CE 𐄂 (Pending)
NEW  1/8 Brick	VCB_SBO-100W(F)R3(-N)	100W	36-75	5,12,28	1500VDC	DIP	33.02x22.86x9.75	RoHS CE 𐄂 (Pending)
	VCF_EBO-50W(F)R3-N	50W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCF_EBO-75W(F)R3-N	75W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCB_EBO-100W(F)R3	100W	36-75	5,12,15,24,28	1500VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCF_EBO-100W(F)R3-N	100W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCF_EBO-120W(F)R3-N	120W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCF_EBO-150W(F)R3-N	150W	36-75	5,12	2250VDC	DIP	58.42x22.86x9.69	RoHS CE 𐄂 (Pending)
	VCF_EBO-240W(F/H)R3-N	240W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 𐄂 (Pending)
	VCF_EBO-300W(F/H)R3-N	300W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 𐄂 (Pending)
NEW  1/4 Brick	VCF_EBO-400W(F/H)R3-N	400W	36-75	10,8,12	1500VDC	DIP	58.42x22.86x10.70	RoHS CE 𐄂 (Pending)
	VCB_QBO-200WR3(-N)	200W	36-75	5,12,15,24	1500VDC	DIP	57.90x36.80x10.05	RoHS CE 𐄂 (Pending)
	VCF_QBO-400W(F/H)R3(-N)	400W	36-75	12,15,24,28	2250VDC	DIP	57.90x36.80x12.90	RoHS CE 𐄂 (Pending)
	VCB_QBO-800WR3A(D)-N	800W	40-60	12,12,1,10,8,10,9	1500VDC	DIP	58.40x36.80x14.20	RoHS
	VCB_QBO-1300WR3A-N	1300W	45-60	10,8,12	1500VDC	DIP	58.40x36.80x14.20	RoHS

LMD: 2×1 (In-pin) / LD: 2×1 (Off-pin)  2×1, 1×1 inch	 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 𐄂
 1/4, 1/2 Brick	URB1D_YMD-6WR3	6W	40-160	5,12,15,24	2250VDC	DIP	25.40x25.40x11.70	RoHS CE 𐄂
	URA1D_(X)LMD-10WR3	10W	40-160	±5, ±12, ±15	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URB1D_LMD-10WR3	10W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS 𐄂 RoHS CE 𐄂
	URB1D_LMD-15WR3	15W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS 𐄂 RoHS CE 𐄂
	URB1D_LMD-20WR3	20W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URB1D_LD-20WR3	20W	40-160	3,3,5,12,15,24	2250VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URE1D_LD-20WR3	20W	40-160	±12, ±15, ±24	3000VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URF1D_LD-40WR3	40W	40-160	3,3,5,12,15,24,48	3000VDC	DIP	50.80x25.40x11.80	RoHS CE 𐄂
	URF1D_QB-50WR3	50W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 𐄂
	URF1D_QB-75WR3	75W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 𐄂
NEW  DIP 24, 2×1 inch	URF1D_QB-100WR3	100W	43-160	3,3,5,12,15,24,48	3000VAC	DIP	60.80x39.20x12.70	RoHS CE 𐄂
	URF1D_HB-150WR3	150W	43-160	5,12,15,24,48	3000VAC	DIP	61.00x58.00x13.80	RoHS CE 𐄂
	URF1D_HB-250WR3	250W	40-160	5,12,15,24,48,54	3000VAC	DIP	61.00x57.90x13.80	RoHS CE 𐄂
	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 𐄂 (Pending)
NEW  1/4, 1/2 Brick	UWTH1D_P-6WR3	6W	14-160	3,3,5,12,15,24	3000VAC	DIP 24	31.60x20.30x12.50	RoHS CE CB 𐄂
	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 𐄂
	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 𐄂
	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 𐄂
NEW  1/4, 1/2 Brick	UWTH1D_QB-50W(F/H)R3S	50W	14-160	12,15,24,28,48,54	3000VAC	DIP	57.90x36.80x12.70	RoHS CE CB 𐄂
	UWTH1D_QB-100W(F/H)R3	100W	14-160	12,15,24,28,48,54	3000VAC	DIP	57.90x36.80x12.70	RoHS CE CB 𐄂
NEW 	URF1DxxM-60WR3	60W	40-160	3,3,5,12,15,24,48	3000VAC	Metal case	128.00x60.00x25.00	RoHS

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
	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   
	QAx3HCD2-1504R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-4, +15/-4	+120/-120	85	5000VAC	RoHS
	QAx3C-1803R3	5/12	4.5-5.5, 10.8-13.2	+18/-3/-3.5	+80/-80, +100/-100	87	5000VAC	RoHS   
	QAx3HCD2-1803R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+18/-3, +18/-3	+110/-110	85	5000VAC	RoHS
	QAx3C-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   
	QAx3HC-2005R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+20/-5	+90/-90	82	5000VAC	RoHS   
	QAx3HCD2-2005R3	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
	QAx3HD2-1509R3	12/15/24	10.8-13.2, 13.5-16.5, 21.6-26.4	+15/-9, +15/-9	+100/-100	85	5000VAC	RoHS
	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/-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	
	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	
	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	
	FC-L40Y	DIN Rail EMC Filter	0-305VAC	40A	Wiring	

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 	6-36VDC	3.3-36	300,700	94	SMD	RoHS  

More Products

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 

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 

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 

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 

More Products

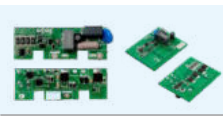
Current Transducer

	Series	Function	Rated Current	Input Voltage	Current Measurement Range	Turn Ratio	Markings
	TLAx00-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

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

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

DC Contactor

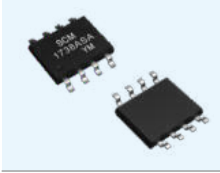
Series	Function	Mounting	Max.Operating Voltage	Continuous Current	Coil Voltage	Markings
KMJ200-xx	Low Voltage DC Contactor	Wiring	24V/48V	200A	12V/24V/48V/9-36V	RoHS 
KMJ250-900-24MP	High Voltage DC Contactor	Wiring	900V	250A	9-36V	RoHS

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
TTLs03-15B-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

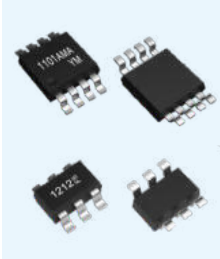
Caution

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



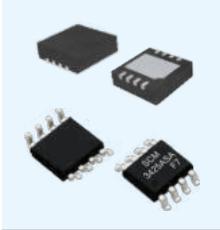
Series	Package	Power/Output Current	Input Voltage	Topology	Fsw (kHz)
SCM1101AMA	MSOP-8	/	9-75VDC	Flyback	480
SCM1102CMA	MSOP-8	/	4-36VDC	Flyback	500
SCM1103CMA	MSOP-8	/	9-75VDC	Flyback	500
SCM1201BTA	TSOT-23-6	≤2W	2.7-5.5VDC	Push-pull	245
SCM1209ATA	TSOT-23-6	≤3W	9-24VDC	Push-pull	282
SCM1212BTA	SOT23-5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

Non-isolated Control IC



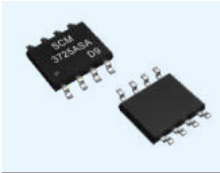
Series	Package	Power/Output Current	Input Voltage	Topology	Fsw (kHz)
SCM1301ATA	SOT23-6	≤1A	4.5-40VDC	Synchronous Buck	850
SCM1316AFA	QFN5*5	≤6A	7-38VDC	Synchronous Buck	300
SCM1302ASA	eSOP-8	≤2A	4.5-40VDC	Synchronous Buck	500
SCM1331ASA	eSOP-8	≤2A	4.5-40VDC	Synchronous Buck	1500

Transceiver IC



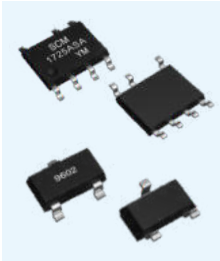
Series	Package	Type	Input Voltage	Bus-Pin Fault Protection	Transmission speed
SCM3406AFA	DFN 3X3	RS485	3-5.5VDC	-15V to +15V	10M
SCM3406ASA	SOP-8	RS485	3-5.5VDC	-15V to +15V	10M
SCM3421BSA	SOP-8	CAN	5VDC	-30V to +30V	5M
SCM3422BSA	SOP-8	CAN	5VDC	-58V to +58V	5M
SCM3425AFA	DNF	CAN	3-5.5VDC	-42V to +42V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

Purpose:

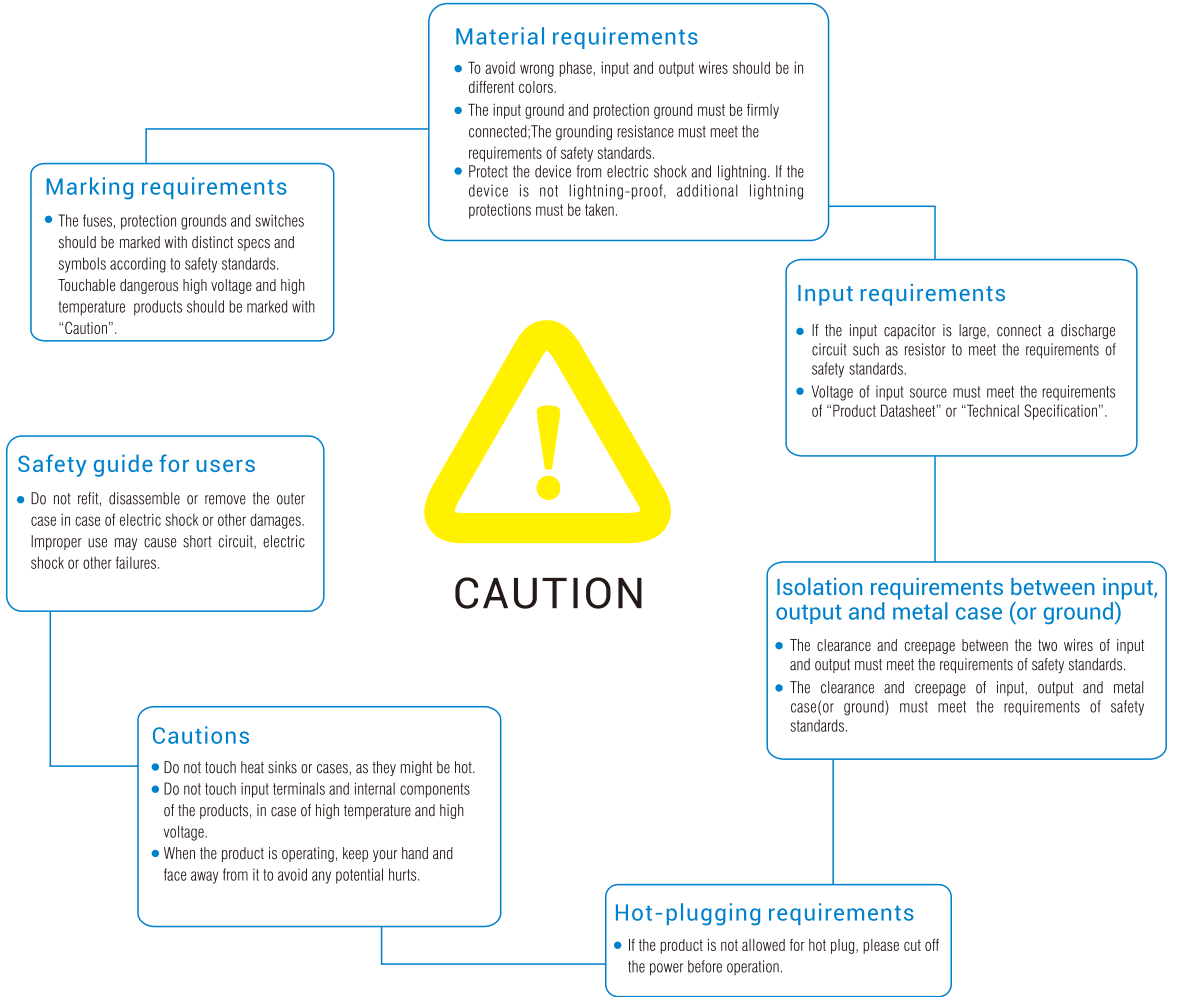
To prevent potential safety problems while using the products.

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 requirments listed in the Product Datasheet.



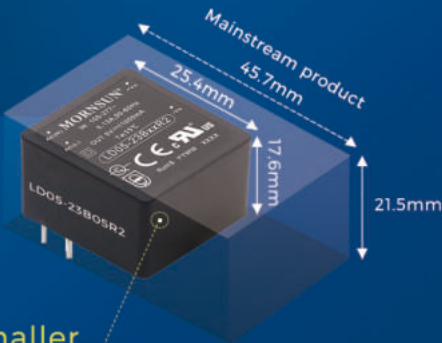
More information about application, please contact us.

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
- 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)



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