

DC/DC Converter

1 Watt A/B_S-1WR2/R3 B_LS-1WR2/R3 ±10% Input Unregulated Output Dual / Single Output 1500VDC Isolation Short Circuit Protection	2 Watts A/B/E/F_D-1WR2 A/B_S-2WR2 E/F_S-2WR2 ±10% Input Unregulated Output Dual / Single Output 1500/3000VDC Isolation	3 Watts URB_MT-3WR3 4:1 Input Single Output 1500VDC Isolation No-load Power Consumption 0.12W	6 Watts URA/B_YMD-6WR3 4:1 Input Dual / Single Output 1500VDC Isolation No-load Power Consumption 0.12W	10-15 Watts URA/B_ZP-10WR3 4:1 Input Single Output 1500VDC Isolation No-load Power Consumption 0.12W	20-200 Watts URA/B_YMD-20WR3 4:1 Input Dual / Single Output 1500VDC Isolation No-load Power Consumption 0.15W
E_S-1WR2/R3 F_S-1WR2 ±10% Input Unregulated Output Dual / Single Output 3000VDC Isolation Short Circuit Protection	WRA/B_S-1WR2 2:1 Input Dual / Single Output 1500 VDC Isolation Remote On/Off	A/B/E/F_D-2WR2 ±10% Input Unregulated Output Dual / Single Output 1500/3000VDC Isolation	WRA/B_S-3WR2 2:1 Input Dual / Single Output 1500VDC Isolation Remote On/Off	URE/F_P-6WR3 4:1 Input Dual / Single Output 3000VDC Isolation No-load Power Consumption 0.12W	URE/F_LP-10WR3 4:1 Input Single Output 3000VDC Isolation No-load Power Consumption 0.12W
IB_LS-1W/1WR3 IF_S-1W/1WR3 ±5% Input Regulated Output Single Output 1000/1500/3000VDC Isolation Short Circuit Protection	WRE/F_S-1WR2 2:1 Input Dual / Single Output 3000VDC Isolation Remote On/Off	IB/F_S-2W ±5% Input Regulated Output Single Output 1000/3000VDC Isolation	WRE/F_S-3WR2 2:1 Input Dual / Single Output 3000VDC Isolation Remote On/Off	URH_P-6WR3 4:1 Input Single Output 6000VDC Isolation No-load Power Consumption 0.12W	VRB_LD-15WR3 2:1 Input Dual / Single Output 1500VDC Isolation No-load Power Consumption 0.12W

SMD Package A/B_XT-1WR2/1WR3 ±10% Input Unregulated Output Dual / Single Output 1500VDC Isolation Short Circuit Protection	Non-Isolation K78L-500R3 Open Frame Efficiency up to 95% Ultra Low No-load Power Consumption Short Circuit Protection
F_XT-1WR2/1WR3 ±10% Input Unregulated Output Single Output 3000VDC Isolation Short Circuit Protection	K78L-1000R3 Open Frame Efficiency up to 96% Low No-load Power Consumption Short Circuit Protection
E_XT-1WR2 E_XT-1WR3 ±10% Input Unregulated Output Dual Output 3000VDC Isolation Short Circuit Protection	K78-500R3/1000R3 Efficiency up to 96% Ultra Low No-load Power Consumption Short Circuit Protection
B/F_XT-2WR2 ±10% Input Unregulated Output Single Output 1500/3000VDC Isolation Short Circuit Protection	K78xxM-1000R3 Efficiency up to 96% Low No-load Power Consumption Short Circuit Protection
IB_XT-1WR2/W75R3 IF_XT-1WR2 ±5% Input Regulated Output Single Output 1500/3000VDC Isolation Short Circuit Protection	K78T-500R3/1000R3 Efficiency up to 95% Low No-load Power Consumption Short Circuit Protection

Photovoltaic Power Supply

Ultra-wide Input Voltage Range

PV05/10/15-R2 5/10/15 Watts 100-1000VDC Input 4000VAC Isolation Fast Start-up High Reliability	PV15/40-29B 10/15/40 Watts 200-1500VDC Input 4000VAC Isolation Fast Start-up Reverse Protection	PV200-27/29B 200 Watts 200-1500VDC Input 4000VAC Isolation Fast Start-up Reverse Protection
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Railway Power Supply

URB1D_YMD-6WR3 URB1D_LMD-10/15/20WR3 URB1D_LD-20WR3 6-20 Watts 40-160VDC Input Single Output 2250VDC Isolation	URF1D_QB-50/75W URF1D_QB-100/150W 50-100 Watts 66-160VDC Input 3000VDC Isolation International standard 1/4 brick
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Automotive Power Supply

Meet IATF16949 Standard

CF_XT-1WR3

- ±10% Input
- Unregulated
- Single Output
- 3500VDC Isolation
- 40°C~+105°C
- Short Circuit Protection

High Isolation DC/DC Converter

G/H_S-1WR2 EN60601-1, ANSI/AAMI Es60601-1 approval (1xMOPP/2xMOOP) Unregulated Output Dual / Single Output 4200VAC/6000VDC Isolation	G/H_S-2WR2 EN60601-1, ANSI/AAMI Es60601-1 approval (1xMOPP/2xMOOP) Unregulated Output Dual / Single Output 4200VAC/6000VDC Isolation
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Optional Mountings

PCB Mounting DIN-Rail Mounting Chassis Mounting

For more information, please visit www.mornsunpower.de









AC/DC Converter

LS Series	LI Series	LD Series	LH Series		
Open Frame LS01-15BxxSS(-F)  <ul style="list-style-type: none"> 1 Watt 85-305VAC/70-430VDC 3000VAC Isolation Economical 	DIN-Rail LI120/240  <ul style="list-style-type: none"> 120 Watts 3000VAC Isolation Remote On/Off Active PFC 	Compact Size LD03-10B_R2  <ul style="list-style-type: none"> 3 Watts 85-264VAC/100-370VDC 3000VAC Isolation 	Wide Operating Temperature Range LHE(05-25)-20B LH(05-25)-13B  <ul style="list-style-type: none"> 5/10/15/20/25 Watts 85-264VAC/100-370VDC 85-305VAC/100-430VDC 3000/4000VAC Isolation 	Low power consumption LH40/60  <ul style="list-style-type: none"> 40/60 Watts 85-264VAC/100-370VDC 90-264VAC/122-370VDC 3000/4000VAC Isolation Optional Mountings 	LH15/25-20BxxMU  <ul style="list-style-type: none"> 15-25 Watts 85-264VAC/100-370VDC 4000VAC Isolation Meet EN60601-1, ANSI/AAMI ES60601-1(2"MOOPP) standards
LS03-15xxSR2S(-F)  <ul style="list-style-type: none"> 3 Watts 85-305VAC/70-430VDC 3000VAC Isolation Economical 	LS05-15BxxSS(-F)  <ul style="list-style-type: none"> 5 Watts 85-264VAC/100-400VDC 3000VAC Isolation Economical 	LD03-16B  <ul style="list-style-type: none"> 3 Watts 90-528VAC/100-745VDC 3000VAC Isolation 	LD10-26B LD20-26B  <ul style="list-style-type: none"> 10/20 Watts 90-528VAC/100-745VDC 4000VAC Isolation 	MBP300/500 Series MBP300-2A27D27/2A27D27220 MBP500-2A27D27L/2A54D54L  <ul style="list-style-type: none"> 62.5/108/162/135 Watts -40°C~+70°C Efficiency up to 85% 2500VAC Isolation Output Short Circuit, Over-current, Over-voltage Protections 	MCP100 Series MCP100-2A27D27  <ul style="list-style-type: none"> 100 Watts -40°C~+75°C 3000VAC Isolation Chassis Mounting Charging Ultracapacitor
LS03-16BxxSS(-F)  <ul style="list-style-type: none"> 3 Watts 90-528VAC/100-745VDC 4000VAC Isolation Economical 	LS05-26BxxSS(-F)  <ul style="list-style-type: none"> 5 Watts 90-528VAC/100-745VDC 4000VAC Isolation Economical 	LD05-23B  <ul style="list-style-type: none"> 5 Watts 85-305VAC/100-430VDC 4000VAC Isolation 	LDE(03-20)-20B  <ul style="list-style-type: none"> 03/05/06/10/15/20 Watts 85-264VAC/100-370VDC 4000VAC Isolation 	Electric Power Industry LM30-00J0512-03E  <ul style="list-style-type: none"> 30 Watts 85-264VAC/100-370VDC Multiplexed Output Low Ripple & Noise Output Short Circuit, Over-current, Over-voltage Protections 	

Signal Transmitter

Communication Interface Module (Built in DC/DC Converter)		AC/DC power supply Integrated isolated 485/CAN	
RS485 TD321/521D485 TD321/521D485H  <ul style="list-style-type: none"> 64 Nodes Single Output Rate: 0-19.2Kbps 0-200Kbps Options Two-port isolation 3000 VDC (input and output are mutually isolated) 	CAN TD321/521DCAN TD321/521DCANH  <ul style="list-style-type: none"> 110 Nodes Single Output Rate: 5K-1Mbps, 40K-1Mbps TDx1DCAN: Two-port isolation (3000VDC) TDx2DCAN: Two-port isolation (2500VDC)/Channel isolation (1500VDC) 	TLA03/05-03K485  <ul style="list-style-type: none"> 128 Nodes 4000VAC Isolation 85-305VAC/100-430VDC Rate up to 500kbps Rate: 0-500Kbps 	TLA03/05-03KCAN  <ul style="list-style-type: none"> 110 Nodes 4000VAC Isolation 85-305VAC/100-430VDC Rate up to 1Mbps Rate: 5K-1Mbps
TD321/521D485H-A  <ul style="list-style-type: none"> 128 Nodes Single Output Rate: 0-500Kbps Automatic Switching Two-port isolation 3000 VDC (input and output are mutually isolated) 	TD321/521SCAN  <ul style="list-style-type: none"> 110 Nodes Compact size, SMD package Rate: 5K-1Mbps 3000VDC Isolation 	Signal Conditioning Module	
		T_L/T_HL  <ul style="list-style-type: none"> Two-terminal Isolation 2000VAC Isolation HART Compatible(T_HL) 	T1100X  <ul style="list-style-type: none"> Two-terminal Isolation 3000VDC Isolation Extremely Low Temperature Drift (35PPM/°C)
TD321/521D485H-E  <ul style="list-style-type: none"> 256 Nodes Single Output Rate: 0-500Kbps Enhanced Version Two-port isolation 3000 VDC (input and output are mutually isolated) 	TD301/501MCANFD  <ul style="list-style-type: none"> 110 Nodes Single Output Rate: 40K-5Mbps Compact size 	TE_N/TF_N/TE_CN/TE_AN/TEM_CN/TEM_AN  <ul style="list-style-type: none"> High Precision Grade Two-terminal Isolation 2000VAC Isolation Low Ripple & Noise: ≤30mVpp 2KHz 	T_P  <ul style="list-style-type: none"> High Precision Grade Four-terminal Isolation 2500VDC Isolation
TD322/522D485H-A  <ul style="list-style-type: none"> 32 Nodes Dual Output Rate: 0-120Kbps 2500VDC Isolation Two-terminal Isolation Bus Protection 	TD321/521S485  <ul style="list-style-type: none"> 64 Nodes Compact size, SMD package Rate: 0-19.2kbps 2500/3000VDC Isolation 	TRP_P  <ul style="list-style-type: none"> High Precision Grade Two-wire, Three-wire or Four-wire PT100/Cu50/ Cu100 RTDs Signal Input -40°C~+85°C 	

IGBT Driver

IGBT Driver	
QC962-8A  <ul style="list-style-type: none"> Built in High CMRR Opto-coupler Built in Short Circuit Protection and Fault Output Switching Frequency up to 40kHz 	
QP12W05S-37/37A  <ul style="list-style-type: none"> Built in High CMRR Opto-coupler Fault Output Function Switching Frequency up to 20kHz Built-in DC/DC Isolated Power Supply 	
DC/DC Converter for IGBT Driver	
QA  <ul style="list-style-type: none"> ±10% Input Ultra Low Isolation Capacitance 3000VAC Isolation No-load Operation Allowed 	QA01C  <ul style="list-style-type: none"> ±10% Input 3500VAC Isolation Designed for SiC Driver
QAW01 & QAW02  <ul style="list-style-type: none"> 2:1 Input 0.24-4.8W 3000VDC Isolation Output Over-voltage Protection 	CQAW01  <ul style="list-style-type: none"> 3:1 Input 0.24-4.8W 3000VDC Isolation Efficiency up to 83%

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