

MORNSUN®

DC/DC Converter

Fixed input voltage			Wide input voltage					
≤1 Watt			2 to 3 Watts		1 to 3 Watts	6 to 40 Watts		
SMD	B/F_XT-W2R3 CE • 0.25 Watt • 3000VAC Isolation • Continuous short circuit protection	A/B/F_XT-1WR2/R3 E_XT-1WAR2/1WR3 FB0505XT-1WR3 CE • 1 Watt • 1500/3000VDC Isolation • Continuous short circuit protection	B/F_XT-2WR2 CE • 2 Watts • Unregulated dual/single outputs • 1500/3000VDC Isolation		WRA/B_S-1WR2 WRE/F_S/P-3WR2 CE • 4.5-9, 9-18, 18-36, 36-75 VDC Input • 1500/3000VDC Isolation	URE/F/H_P-6WR3 CE CB • 9-36, 18-75VDC Input • 3000/6000VDC Isolation	URA/B_LD-20WR3/30WR3 CE CB • 9-36, 18-75VDC Input • 1500VDC Isolation • Efficiency up to 90%	VRB_LD-40WHR3 CE • 18-36, 36-75VDC Input • 1500VDC Isolation • Efficiency up to 91% • With heat sink
	IB_XT-W75R3 CE • 0.75 Watt • Regulated single output • 1500VDC Isolation • Continuous short circuit protection	IB_XT-1WR2 IF_XT-1WR2/R3 CE • 1 Watt • Regulated single output • 1500/3000VDC Isolation • Continuous short circuit protection	CF0505XT-1WR3 CFB0505XT-1WR3 CE • 1 Watt • 3000VAC/3500VDC/4500VDC Isolation • Continuous short circuit protection		WRB_ST-1WR2/3WR2 WRB_SD-1WR2/3WR2 CE • 9-18, 18-36VDC input • SMD/DIP Package • 1500VDC Isolation	URA/B_ZP-6WR3 URA/B_ZP-10WR3 CE CB • 9-36, 18-75VDC Input • 3000VDC Isolation • 1500VDC Isolation	VRB_LD-15WR3/30WR3 VRA/B_LD-20WR3 CE CB • 9-18, 18-36, 36-75VDC Input • 1500VDC Isolation	URB1D_LD-20WR3 URE1D_LD-20WR3 URF1D_LD-40WR3 CE • 40-160VDC Input • 2250VDC Isolation
	B_S-W2R2 CE CB • 0.75 Watt • 1500VDC Isolation • Continuous short circuit protection	A/B/E/F_S-1WR2/R3 G/H_S-1WR2 CE CB • 1 Watt • 1500/3000/6000VDC Isolation	A/B/E/F/G/H_S-2WR2 CE CB • 2 Watts • Unregulated dual/single outputs • 1500/3000/6000VDC Isolation		WRA/B_ZP-3WR2 CE • 4.5-9, 9-18, 18-36, 36-75 VDC Input • 3000VDC Isolation	URE/F_LP-10WR3 URF/H_LP-20WR3 CE CB • 9-36, 18-75VDC Input • 3000VDC Isolation • Efficiency up to 88%	URB1D_LMD-10WR3/15WR3/20WR3 CE CB • 40-160VDC Input • Single output • 2250VDC Isolation	VRB_S-6WR3/10WR3 CE • 9-18, 18-36VDC Input • 1500/1600VDC Isolation • No-load power consumption as low as 0.12W
IB_S-W75R3 CE • 0.75 Watt • 1500/3000VDC Isolation • Continuous short circuit protection	B_LS-1WR2/R3 CE • 1 Watt • 1500VDC Isolation • Continuous short circuit protection	IB_LS-1W/1WR3 IE_KS-1WR3 IF_S-1W/1WR3 CE CB • 1 Watt • 1000-3000VDC Isolation • Continuous short circuit protection		URB_MT-3WR3 CE CB • 9-36, 18-75VDC Input • 1500VDC Isolation • Efficiency up to 84%	CVRC_JD-6WR3 CE • 9-18VDC Input • 3000VDC Isolation • Meets AEC-Q100 standard	URA/B1D_YMD-6WR3 CE • 40-160VDC Input • Efficiency up to 86% • 2250VDC Isolation	URB_S-6WR3/10WR3 CE • 9-36VDC Input • 1500/1600VDC Isolation • No-load power consumption as low as 0.12W	
F_N-1WR3 CE • 1 Watt • 3000VDC Isolation • Continuous short circuit protection • International standard pin-out	B_LD-1WR3 B/E/F_D-1WR2 E_D-1WR3 CE • 1 Watt • 1500/3000VDC Isolation • Continuous short circuit protection	A/B/E/F_D-2WR2 CE CB • 2 Watts • Unregulated dual/single outputs • 1500/3000VDC Isolation		V/URB_J(M)D/T-3W VRA_JMD-3W CE CB • 4.5-9, 9-36, 18-36VDC Input • 500VAC/1500VDC Isolation	VRB_J(M)D/T-6W URB_J(M)D/T-10/15W CE CB • 9-36, 18-75VDC/9-18, 18-36VDC Input • 1500VDC Isolation	URA/URB_YMD-6WR3/10WR3/15WR3/20WR3 URB_YMD-30WR3 CE CB • 9-36, 18-75VDC Input • 1500VDC Isolation	URD_S-3WR3 URD_YMD-10WR3 URD_LD-20WR3/30WR3 CE • 18-75VDC Input • Dual isolated outputs	
Non-isolated			75 to 200 Watts					
K78L-500R3/1000R3 CE • Open frame • Efficiency up to 95% • Ultra low no-load power consumption • Short circuit protection	K78T-500R3/1000R3 CE • Efficiency up to 95% • Low no-load power consumption • Short circuit protection	K78-500/1000/2000R3 K78_W-500R3 CE • Efficiency up to 96% • Pin-out compatible with LM78XX linear regulators • Short circuit protection	VCB_S0-3WR3 CE • 36-75VDC Input • 1500VDC Isolation • International standard pin-out		VCB_S0-6WR3 VCB_S0-10WR3 CE • 36-75VDC Input • 1500VDC Isolation • International standard pin-out	URA/URB_YMD-6WR3/10WR3/15WR3/20WR3 URB_YMD-30WR3 CE CB • 4.5-9, 18-36, 36-75VDC Input • 1500VDC Isolation		
K78xxM-1000R3 CE • Efficiency up to 96% • Low no-load power consumption • Short circuit protection	K12T-6/10/16A(-N/P) CE • POL power converter • Single output • Efficiency up to 94%	K78_JT-500R3 CE • thickness ≤ 3.5mm • Single output • Efficiency up to 95%	DC/DC Converter for IGBT Driver		QA01C/QA152D CE CB • ±10% Input • Ultra low isolation capacitance • 3000VAC Isolation	QA01C/QA152D CE CB • ±10% Input • 3500VAC Isolation • Designed for SiC Driver	URF_QB-75W/100W/150W/200WR3 CE • 9-36, 18-75VDC Input • Efficiency up to 94% • 2250VDC Isolation	
Railway Power Supply URB1D_YMD-6WR3 URB1D_LMD-10/15/20WR3 URB/URE1D_LD-20WR3 URF1D_LD-40WR3 CE • 6-40 Watts • 40-160VDC Input • Single output • 2250/3000VDC Isolation	Photovoltaic Power Supply PV(05-200)-27B CE • 5/10/15/40/120/200 Watts • 100-1200VDC input • 4000VAC isolation	PV(15-200)-29B CE • 15/40/200 Watts • 200-1500VDC input • 4000VAC isolation	Optional Mountings PCB Mounting DIN-Rail Mounting Chassis Mounting					

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LHE Series		LDE Series	LS Series	LO Series	LI Series	
Standard package		Compact size	DIY type	Open frame	DIN-Rail package	
LHE(05-60)-20B <ul style="list-style-type: none"> 5/10/15/20/25/40/60 Watts 85-264VAC 3000/4000VAC Isolation Single output 	LHE(05-20)-20A/C/D <ul style="list-style-type: none"> 5/10/15/20 Watts 85-264VAC/100-370VDC 4000VAC Isolation Multiple outputs 	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" MOPP) Standards 	LDE(03-60)-20B <ul style="list-style-type: none"> 3/5/6/10/15/20/45/60 Watts 85-264VAC/100-370VDC 4000VAC Isolation 	LS01/03/05-15B LS05/08/10/15-13B <ul style="list-style-type: none"> 1/3/5/8/10/15 Watts 85-305VAC/85-264VAC 3000VAC Isolation Efficiency up to 79% 	LO(15-65)-10B <ul style="list-style-type: none"> 15/30/45/65 Watts 85-264VAC 3000VAC Isolation Efficiency up to 88% 	LI240-10B <ul style="list-style-type: none"> 240 Watts 3000VAC Isolation Remote on/off Active PFC
LH05/20-13B <ul style="list-style-type: none"> 5/20 Watts 80-305VAC/100-430VDC 3000VAC 	LHE(10-60)-23B <ul style="list-style-type: none"> 10/15/25/40/60 Watts 80-305VAC/100-430VDC 4000VAC 	LDE03/05-20BxxW <ul style="list-style-type: none"> 3/5 Watts 85-264VAC/100-370VDC 4000VAC Isolation 	Three phase power supply LS03-16B/LS05-26B <ul style="list-style-type: none"> 3/5 Watts 90-528VAC/100-745VDC 4000VAC Isolation Output short circuit protection 	White goods power supply LO15 /30-10B <ul style="list-style-type: none"> 15/30 Watts 3000VAC Isolation Meet requirements of white goods 	LI(30-100)-20BxxPR2 LI120-20BxxR2 <ul style="list-style-type: none"> 30/60/100/120 Watts 4000VAC Isolation 85(90)-264VAC 	

Transceiver Module

Transceiver Module With built in isolated DC/DC Converter	
CAN	RS485
TD321/521DCAN TD321/521DCANH <ul style="list-style-type: none"> 110 Nodes Single output Rate: 5K-1Mbps, 40K-1Mbps TDx21DCAN: Two-port isolation (3000VDC) TDx22DCAN: Two-port isolation (2500VDC) /Channel isolation (1500VDC) 	TD321/521D485(-L) TD321/521D485H(-A/E) <ul style="list-style-type: none"> 64-256 Node Single output Rate: 0-19.2Kbps-500Kbps/0-200Kbps options Two-port isolation 3000VDC (input and output are mutually isolated)
TD301/501MCANFD <ul style="list-style-type: none"> 110 Nodes Single output Rate: 40K-5Mbps Compact size 	TD321/521S485(-L) <ul style="list-style-type: none"> 64 Nodes Compact size, SMD Package Rate: 0-19.2kbps 2500/3000VDC Isolation
TD301/501CANHE <ul style="list-style-type: none"> 110 Nodes Single output Rate: 20K-1Mbps High surge protective type 	TD322/522D485H-A <ul style="list-style-type: none"> 32 Nodes Dual outputs Rate: 0-120Kbps
TD321/521SCAN <ul style="list-style-type: none"> 110 Nodes Compact size, SMD package Rate: 5K-1Mbps 3000VDC Isolation 	TD331/531S485 TD331/531S485H(-A/E) <ul style="list-style-type: none"> Small SMD12 size Rate: up to 500Kbps
TD322/522DCAN <ul style="list-style-type: none"> 110 Nodes Dual outputs Rate: 40K-1Mbps 	RS232 TD531/331S232H <ul style="list-style-type: none"> Small SMD12 size Rate: 115200bps Meet EIA/TIA-232-F standard
TD331/531SCANH/FD <ul style="list-style-type: none"> Small SMD12 size Rate: 5Mbps 110 Nodes 	

Switching Power Supply

35-350W ENCLOSED

LM(35-350)-20B LM(35-100)-10C/D <ul style="list-style-type: none"> 85-264VAC Input 35/50/75/100/150/200/350 Watts Single/ Dual/Triple outputs Isolation up to 4000VAC 	<ul style="list-style-type: none"> Operating temperature -30°C to 70°C Meets 5KM altitude requirement EMI meets CISPR32/EN55032 Class B
LM(35-350)-22B <ul style="list-style-type: none"> 165-264VAC Input 35/50/75/100/150/200/350 Watts Single output Isolation up to 4000VAC 	LMF(75-320)-20B <ul style="list-style-type: none"> 85-264VAC Input 75/100/150/200/320 Watts Built-in active PFC function 4000VAC Isolation

Recommended