

MORNSUN®



AC/DC Converter · DC/DC Converter · Transceiver Module · Isolation Amplifier

IGBT Driver · LED Driver · EMC Auxiliary Device

Selection Guide

MORNSUN®

www.mornsun-power.com

MORE THAN RELIABILITY

- Established: 1998
- Factory: 60000+ square meters
- Registered Capital: USD \$30+ million
- Employees: 2000+
- Patents & IPRs: 900+
- Business Coverage: Global
- Information Management: OA & ERP & CRM & EHR & PLM & ISP
- Certifications: ISO9001, IATF16949, ISO14001, OHSAS18001



Headquarter in Guangzhou



Manufacturing Center in Huaihua



R&D Center in Guangzhou

Product Range

AC/DC

- Power Range: 1W–350W
- Isolation Voltage: 2000VAC–4000VAC
- Input Voltage Range: 30VAC–528VAC

Packages: SIP, DIP, SMD, lead wire, open frame, chassis mounting, DIN–Rail mounting

DC/DC

- Power Range: 0.25W–200W
- Isolation Voltage: 1000VDC–12000VDC
- Input Voltage Range: 3.3VDC–1500VDC

Applications

Certifications



Industrial



Power Grid



Communication



Railway



Automotive



PV



Medical



Fire & Security



IOT



Lighting



Excellent Technology

- Automatic welding machine
- Intelligent burn-in system
- Automatic winding machine
- Laser marking system
- Reflow soldering equipment
- X fluorescence RoHS tester
- EMC laboratory
- UL/CSA/TUV/DEMKO Certified lab
- SMT AOI



Automatic TE workshop

Automatic SMT clean room

DC/DC Converter



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

Fixed input voltage, isolated & unregulated output series

SMD Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Effi%(Typ)	Package	Certification
	F_XT-W2R2/R3	0.25W	5,12	5	3000VDC	77	SMD	RoHS CE
	A_XT-1WR2/R3	1W	3.3,5,12,15,24	± 5, ± 9, ± 12, ± 15, ± 24	1500VDC	85	SMD	RoHS cULus CE CB
	B_XT-1WR2/R3	1W	3.3,5,12,15,24	3.3,5,6,9,12,15,24	1500VDC	85	SMD	RoHS cULus CE
	CF0505XT-1WR3	1W	5	5	3500VDC	82	SMD	RoHS CE
	E_XT-1WAR2/1WR3	1W	3.3,5,12,15,24	± 5, ± 9, ± 12, ± 15, ± 24	3000VDC	85	SMD	RoHS cULus CE CB
	F_XT-1WR2/R3	1W	3.3,5,12,15,24	3.3,5,9,12,15,24	3000VDC	85	SMD	RoHS cULus CE
	B_XT-2WR2	2W	5,12,15,24	3.3,5,9,12,15,24	1500VDC	84	SMD	RoHS CE
	F_XT-2WR2	2W	5,12,15,24	5,12,15,24	3000VDC	84	SMD	RoHS CE
SIP Package	A_S-1WR2/R3	1W	3.3,5,9,12,15,24	± 3.3, ± 5, ± 9, ± 12, ± 15	1500VDC	85	SIP	RoHS cULus CE
	B_LS-1WR2/R3	1W	3.3,5,12,15,24	3.3,5,9,12,15,24	1500VDC	85	SIP	RoHS cULus CE
	B_S-1WR2/R3	1W	3.3,5,12,15,24	3.3,5,9,12,15,24	1500VDC	85	SIP	RoHS cULus CE CB
	E_S-1WR2/R3	1W	3.3,5,9,12,15,24	± 3.3, ± 5, ± 9, ± 12, ± 15, ± 24	3000VDC	85	SIP	RoHS cULus CE
	F_S-1WR2/R3	1W	3.3,5,9,12,15,24	3.3,5,9,12,15,24	3000VDC	85	SIP	RoHS cULus CE
	A_S-2WR2	2W	5,12,15,24	± 3.3, ± 5, ± 9, ± 12, ± 15, ± 24	1500VDC	86	SIP	RoHS cULus CE CB
	B_S-2WR2	2W	5,9,12,15,24	3.3,5,9,12,15,24	1500VDC	86	SIP	RoHS cULus CE CB
	E_S-2WR2	2W	5,12,15,24	± 3.3, ± 5, ± 9, ± 12, ± 15, ± 24	3000VDC	84	SIP	RoHS cULus CE CB
	G_S-2WR2	2W	5,12,15,24	± 5, ± 9, ± 12, ± 15	6000VDC	82	SIP	RoHS cULus CE
	H_S-2WR2	2W	5,12,15,24	5,12,15	6000VDC	84	SIP	RoHS cULus CE
	B_S-3WR2	3W	5,12	5,9,12	1500VDC	88	SIP	RoHS
	F_S-3WR2	3W	5,12,15	5,9,12,15	3000VDC	88	SIP	RoHS
DIP Package	F_N-1WR3	1W	5	3.3,5,9,12,15,24	3000VDC	85	DIP	RoHS cULus CE CB
	A_D-2WR2	2W	5,12,15,24	± 5, ± 9, ± 12, ± 15, ± 24	1500VDC	84	DIP	RoHS cULus CE CB
	B_D-2WR2	2W	3.3,5,9,12,24	3.3,5,9,12,15,24	1500VDC	84	DIP	RoHS cULus CE CB
	E_D-2WR2	2W	5,12,15,24	± 5, ± 9, ± 12, ± 15, ± 24	3000VDC	85	DIP	RoHS cULus CE CB
	F_D-2WR2	2W	5,12,15,24	5,9,12,15,24	3000VAC	85	DIP	RoHS cULus CE CB

Fixed input voltage, isolated & regulated output series

SMD Package	Series	Power	Input Voltage (VDC)	Output Voltage (VDC)	Isolation	Effi%(Typ)	Package	Certification
	IB_S-W75R3	0.75W	5	3.3,5,9,12,15	1500VDC	74	SIP	RoHS cULus CE (pending)
	IB_LS-1W/R3	1W	5,12,15,24	3.3,5,9,12,15,24	1500VDC	73	SIP	RoHS cULus CE CB
	IF_S-1W/R3	1W	5,12,24	3.3,5,9,12,15,24	3000VDC	74	SIP	RoHS cULus CE CB
	IB_XT-W75R3	0.75W	5	3.3,5,9,12,15	1500VDC	74	SMD	RoHS cULus CE (pending)
	IB_XT-1WR2	1W	5,12,24	3.3,5,12,15	1500VDC	75	SMD	RoHS CE
	IF_XT-1WR2/1WR3	1W	5,12,24	3.3,5,9,12,15	3000VDC	74	SMD	RoHS CE

Wide input voltage, non-isolated & regulated output series

SIP Package	Series	Current (mA)	Input Voltage Range(VDC)	Output Voltage (VDC)	Effi%(Typ)	Package	Certification
	K78-500R3	500/-300/-150	4.75-36	3.3,5,9,12,15,-5,-12,-15	95	SIP	RoHS cULus CE
	K78L-500R3	500/-300/-150	4.75-36	3.3,5,12,15,-5,-12,-15	95	SIP	RoHS cULus CE
	K78xxW-500R3	500/-300/-150	4.75-36	3.3,5,9,12,15,-5,-12,-15	95	SIP	RoHS
	K78-1000R3(L)	1000/-500/-300	6-36	3.3,5,9,12,15,-5,-12,-15	96	SIP	RoHS cULus CE CB
	K78L-1000R3	1000/-500/-300	6-36	3.3,5,12,15,-5,-12,-15	96	SIP	RoHS cULus CE CB
	K78xxM-1000R3	1000/-500/-300	6-36	3.3,5,9,12,15,-5,-12,-15	96	SIP	RoHS CE
	K78-2000R3	2000	6-36	3.3,5,9,12,15	95	SIP	RoHS CE
SMD Package	K78T-500R3	500	4.75-36	1.5,1.8,2.5,3.3,5,6,9,12,15	95	SMD	RoHS CE
	K78T-1000R3	1000/800	4.75-36	1.5,1.8,2.5,3.3,5,6,9,12	95	SMD	RoHS CE
	K78 JT-500R3	500	4.75-36	3.3,5,9,12,15	95	SMD	RoHS
	K12T-6A-P(A) NEW	6000	8.3-14	0.75-5.5	94	SMD	RoHS
	K12T-10A/16A NEW	10000/16000	8.3-14	0.75-5.5	96	SMD	RoHS

For more information, please visit www.mornsun-power.com

DC/DC Converter



- 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
- RoHS/CB/CE/UL approved

Wide input voltage, isolated & regulated output series

Wide input (2:1)

SIP Package	Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Effi(%)(Typ)	Package	Certification
	WRA_S-1WR2	1W	4.5-9.9-18,18-36,36-75	$\pm 5, \pm 9, \pm 12, \pm 15$	1500VDC	81	SIP	RoHS CE
	WRB_S-1WR2	1W	4.5-9.9-18,18-36,36-75	3.3,5,9,12,15,24	1500VDC	80	SIP	RoHS CE
	WRA_S-3WR2	3W	4.5-9.9-18,18-36,36-75	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	83	SIP	RoHS CE
	WRB_S-3WR2	3W	4.5-9.9-18,18-36,36-75	3.3,5,6,9,12,15,24	1500VDC	84	SIP	RoHS CE
	VRB_S-6WR3	6W	9-18,18-36	3.3,5,9,12,15,24	1600VDC	87	SIP	RoHS CE
	VRB_S-10WR3	10W	9-18,18-36	3.3,5,9,12,15,24	1500VDC	88	SIP	RoHS CE
	WRA_ZP-3WR2	3W	4.5-9.9-18,18-36,36-75	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	85	DIP	RoHS CE
	WRB_ZP-3WR2	3W	4.5-9.9-18,18-36,36-75	3.3,5,9,12,15,24	1500VDC	86	DIP	RoHS CE
	WRF_P-3WR2	3W	4.5-9.9-18,18-36,36-75	3.3,5,12,15,24	3000VDC	86	DIP	RoHS CE
	VRB_LD-15WR3	15W	18-36,36-75	3.3,5,12,15,24	1500VDC	90	DIP	RoHS cULus CE CB
	VRA_LD-20WR3	20W	18-36,36-75	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1500VDC	89	DIP	RoHS CE
	VRB_LD-20WR3	20W	9-18,18-36,36-75	3.3,5,9,12,15,24,11,24	1500VDC	90	DIP	RoHS CE
	VRB_LD-40WR3	40W	18-36,36-75	12,15,24	1500VDC	91	DIP	RoHS CE

SIP Package

SIP Package	Ultra-wide input (4:1)							
	URB_S-6WR3	6W	9-36	3.3,5,9,12,15,24	1600VDC	87	SIP	RoHS CE
	URB_S-10WR3	10W	9-36	3.3,5,9,12,15,24	1500VDC	88	SIP	RoHS CE

DIP Package

DIP Package	Ultra-wide input (4:1)							
	URH_P-6WR3	6W	9-36,18-75	5,6,9,12,15,24	6000VDC	85	DIP	RoHS CE
	URE_P-6WR3	6W	9-36	$\pm 5, \pm 12, \pm 15$	3000VDC	88	DIP	RoHS cULus CE CB
	URB_ZP-6WR3	6W	9-36,18-75	3.3,5,9,12,15,24	1500VDC	88	DIP	RoHS cULus CE CB
	URA_ZP-10WR3	10W	9-36,18-75	$\pm 5, \pm 12, \pm 15$	1500VDC	87	DIP	RoHS CE
	URB_ZP-10WR3	10W	9-36,18-75	3.3,5,12,15,24	1500VDC	88	DIP	RoHS CE

1x1inch

1x1inch	Ultra-wide input (4:1)							
	URB_YMD-6WR3	6W	9-36,18-75	3.3,5,9,12,15,24	1500VDC	88	DIP	RoHS cULus CE CB
	URB_YMD-10WR3	10W	9-36,18-75	3.3,5,9,12,15,24	1500VDC	88	DIP	RoHS cULus CE CB
	URB_YMD-15WR3	15W	9-36,18-75	3.3,5,12,15,24	1500VDC	91	DIP	RoHS cULus CE
	URA_YMD-20WR3	20W	9-36,18-75	$\pm 5, \pm 12, \pm 15, \pm 24$	1500VDC	90	DIP	RoHS CE
	URB_YMD-20WR3	20W	9-36,18-75	3.3,5,6,12,15,24	1500VDC	91	DIP	RoHS cULus CE

2x1inch

2x1inch	Ultra-wide input (4:1)							
	URE_LP-10WR3	10W	9-36,18-75	$\pm 5, \pm 12, \pm 15$	3000VDC	87	DIP	RoHS cULus CE CB
	URF_LP-20WR3	20W	9-36,18-75	3.3,5,9,12,15,24	3000VDC	89	DIP	RoHS cULus CE CB
	URA_LD-30WR3	30W	9-36,18-75	$\pm 5, \pm 12, \pm 15, \pm 24$	1500VDC	89	DIP	RoHS CE
	URB_LD-30WR3	30W	9-36,18-75	3.3,5,9,12,15,24	1500VDC	90	DIP	RoHS cULus CE CB
	URF_QB-75WR3	75W	18-75	5,12,15,24,48	2250VDC	93	DIP	RoHS

1/4 Brick

1/4 Brick	Ultra-wide input (4:1)							
	URF_QB-100WR3	100W	9-36,18-75	5,12,15,24,48,48	2250VDC	94	DIP	RoHS
	URF_QB-150WR3	150W	18-75	5,12,15,24,48	2250VDC	91	DIP	RoHS
	URF_QB-200WR3	200W	18-75	5,12,15,24,48	2250VDC	91	DIP	RoHS
	URF_QB-200WR3	200W	18-75	5,12,15,24,48	2250VDC	91	DIP	RoHS

Ultra-thin

Ultra-thin	Ultra-wide input (4:1)							
	URB_MT-3WR3	3W	9-36,18-75	3.3,5,9,12,15,24	1500VDC	84	SMD	RoHS cULus CE CB
	VRB_J(M)D/T-6W	6W	9-18,18-36	3.3,5,12,15	1500VDC	86	DIP/SIP	RoHS cULus CE CB
	URB_J(M)D/T-10W	10W	9-36	5,12,15	1500VDC	88	DIP/SIP	RoHS cULus CE CB
	URB_J(M)D/T-15W	15W	9-36,18-75	3.3,5,12,15	1500VDC	89	DIP/SIP	RoHS

Wide input voltage for railway

Wide input voltage for railway	Wide input voltage (2:1)							
	URB1D_YMD-6WR3	6W	40-160	5,12,15,24	2250VDC	86	DIP	RoHS CE
	URB1D_LMD-10WR3	10W	40-160	3.3,5,12,15,24	2250VDC	85	DIP	RoHS CE
	URB1D_LMD-15WR3	15W	40-160	3.3,5,12,15,24	2250VDC	86	DIP	RoHS cULus CE CB
	URB1D_LMD-20WR3	20W	40-160	3.3,5,12,15,24	2250VDC	86	DIP	RoHS CE
	URE1D_LD-20WR3	20W	40-160	$\pm 12, \pm 15, \pm 24$	3000VDC	86	DIP	RoHS
	URF1D_LD-40WR3	40W	40-160	3.3,5,12,15,24,48	3000VDC	91	DIP	RoHS
	URF1D_QB-50W	50W	66-160	3.3,5,12,15,24	3000VDC	90	DIP	RoHS
	URF1D_QB-75W	75W	66-160	5,12,15,24	3000VDC	91	DIP	RoHS
	URF1D_QB-100W	100W	66-160	12,15,24	3000VDC	92	DIP	RoHS
	URF1D_HB-150W	150W	50-160	12,15,24	3000VDC	91	DIP	RoHS

For more information, please visit www.mornsun-power.com

AC/DC Converter



- Suitable for industrial control, instrumentation, medical and electric power, etc.
- Cost effective, high reliability, high efficiency, high isolation
- Low power consumption, low ripple & noise
- SIP, DIP, open frame, chassis mounting, DIN-Rail mounting
- EMC meets EN55032 & IEC61000
- Multiple protections: output over-current, over-voltage and short-circuit protections
- RoHS/CB/CE/UL/CSA approved

1-10W DIY type LS series



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi(%)(Typ)	Isolation	Certification
LS01-15BXXSS(-F)	1W	85-305VAC/70-430VDC	5,9,12,15,24	70	3000VAC	RoHS cULus CE CB
LS03-15BXXSR2S(-F)	3W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	77	3000VAC	RoHS cULus CE CB
LS05-15BXXSS(-F)	5W	85-264VAC/100-400VDC	3.3,5,9,12,15,24	79	4000VAC	RoHS cULus CE CB
LS05-13BXXSR2S NEW	5W	85-305VAC/70-430VDC	3.3,5,9,12,15,24	79	3000VAC	RoHS cULus CE CB (pending)
LS08-13BXXSS NEW	8W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	79	3000VAC	RoHS cULus CE CB (pending)
LS10-13BXXSS NEW	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	82	3000VAC	RoHS cULus CE CB (pending)

2-60W compact size LDE series



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi(%)(Typ)	Isolation	Certification
LDE02-23B	2W	85-305VAC/120-430VDC	3.3,5,9,12,15,24	78	4000VAC	RoHS cULus CE CB
LD03-20B-WG NEW	3W	85-264VAC/120-373VDC	5,12,24	75	4000VAC	RoHS CE
LDE03-20B	3W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	78	4000VAC	RoHS cULus CE CB
LDE03-20B-W	3W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	78	4000VAC	RoHS cULus CE CB
LDE05-20B	5W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	81	4000VAC	RoHS cULus CE CB
LDE05-20B-W	5W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	81	4000VAC	RoHS cULus CE CB
LDE05-23B	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	80	4000VAC	RoHS cULus CE CB (pending)
LDE06-20B	6W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	80	4000VAC	RoHS cULus CE CB
LDE10-20B	10W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	83	4000VAC	RoHS cULus CE CB
LDE10-23B	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	82	4000VAC	RoHS cULus CE CB (pending)
LDE15-20B	15W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	81	4000VAC	RoHS cULus CE CB
LDE20-20B	20W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	83	4000VAC	RoHS cULus CE CB
LDE45-20B	45W	85-264VAC/100-370VDC	5,12,15,24,48	87	4000VAC	RoHS cULus CE CB (pending)
LDE60-20B	60W	85-264VAC/100-370VDC	5,12,15,24,48	90	4000VAC	RoHS cULus CE CB (pending)

5-60W standard package LHE series



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi(%)(Typ)	Isolation	Certification
LHE05-20B	5W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	82	4000VAC	RoHS cULus CE CB
LHE10-20B	10W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	82	4000VAC	RoHS cULus CE CB
LHE15-20B	15W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	83	4000VAC	RoHS cULus CE CB
LHE20-20B	20W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	84	4000VAC	RoHS cULus CE CB
LHE25-20B	25W	85-264VAC/100-370VDC	3.3,5,9,12,15,24,48	87	4000VAC	RoHS cULus CE CB
LHE40-20B	40W	85-264VAC/100-370VDC	3.3,5,12,15,24,48	84	4000VAC	RoHS cULus CE CB (pending)
LHE60-20B	60W	85-264VAC/100-370VDC	5,12,15,24,48	86	4000VAC	RoHS cULus CE CB (pending)
LH05-13B	5W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	84	3000VAC	RoHS cULus CE CB
LHE10-23B	10W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	82	4000VAC	RoHS CE (pending)
LHE15-23B	15W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	85	4000VAC	RoHS cULus CE CB (pending)
LH20-13B	20W	85-305VAC/100-430VDC	3.3,5,9,12,15,24	85	3000VAC	RoHS cULus CE CB
LHE25-23B	25W	85-305VAC/100-430VDC	3.3,5,9,12,15,24,48	87	4000VAC	RoHS cULus CE CB (pending)
LHE40-23B	40W	85-305VAC/100-430VDC	3.3,5,12,15,24,48	84	4000VAC	RoHS CE (pending)

30-240W DIN35 package LI series



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi(%)(Typ)	Isolation	Certification
LI30-20BXXPR2 NEW	30W	85-264VAC/120-370VDC	5,12,15,24,48	90	4000VAC	RoHS CE (pending)
LI60-20BXXPR2 NEW	60W	85-264VAC/120-370VDC	5,12,15,24,48	91	4000VAC	RoHS CE (pending)
LI100-20BXXPR2 NEW	100W	85-264VAC/120-370VDC	12,15,24,48	90	4000VAC	RoHS CE (pending)
LI120-20BXXR2 NEW	120W	90-264VAC/127-370VDC	12,24,48	89	4000VAC	RoHS CE (pending)
LI240-10B	240W	85-264VAC/120-370VDC	24,48	93	3000VAC	RoHS cULus CE CB

For more information, please visit www.mornsun-power.com

AC/DC Converter/PV/LED Driver

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



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi%(Typ)	Isolation	Certification
LO03-10B NEW	3W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	79	3000VAC	RoHS
LO05-12B NEW	5W	165-264VAC/230-370VDC	3.3,5,9,12,15,24	79	3000VAC	RoHS
LO15-10B NEW	15W	85-264VAC/100-370VDC	3.3,5,9,12,15,24	82	3000VAC	RoHS CE
LO30-10B NEW	30W	85-264VAC/100-370VDC	3.3,5,9,12,15,24,48	88	3000VAC	RoHS CE
LO45-10B NEW	45W	85-264VAC/100-370VDC	3.3,5,9,12,15,24,48	87	3000VAC	RoHS CE
LO65-10B NEW	65W	85-264VAC/100-370VDC	5,9,12,15,24,48	87	3000VAC	RoHS CE

Three phase AC/DC power supply

core board scheme



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi%(Typ)	Isolation	Certification
LSC15-26M05 NEW	15W	45-528VAC/65-745VDC	Vo1: 5 Vo1/Vo2: 5/5.5/24 Vo1/Vo2/Vo3: 5/±5.5/±12.5/±15	75	4000VAC	RoHS
LSC15-26M09 NEW	15W	45-528VAC/65-745VDC	9	78	4000VAC	RoHS
LSC15-26M12 NEW	15W	45-528VAC/65-745VDC	12	80	4000VAC	RoHS
LSC15-26M15 NEW	15W	45-528VAC/65-745VDC	15	80	4000VAC	RoHS
LSC15-26M24 NEW	15W	45-528VAC/65-745VDC	24	83	4000VAC	RoHS

AC/DC converter specialized for medical



Series	Power	Input Voltage Range	Output Voltage (VDC)	Effi%(Typ)	Isolation	Certification
LD05-20BxxMU	5W	85-264VAC/100-370VDC	5,12,15,24	81	4000VAC	RoHS cULus CE
LD08-20BY4-US	7.6W	85-264VAC/100-370VDC	3.8	74	4000VAC	RoHS cULus CE CB
LH15-20BxxMU	15W	85-264VAC/100-370VDC	5,12,15,18,24	86	4000VAC	RoHS CE CB
LH25-20BxxMU	25W	85-264VAC/100-370VDC	5,12,15,18,24	89	4000VAC	RoHS CE CB

Ultra-wide input voltage DC/DC converter



Series	Power	Input Voltage Range(VDC)	Output Voltage (VDC)	Isolation	Effi%(Typ)	Package	Certification
PV10/15-27BXXR2	10W,15W	100-1000	5,9,12,15,24	4000VAC	80	DIP	RoHS CE
PV10-27C NEW	10W	200-1200	5/5/24	4000VAC	72	DIP	RoHS
PV15-29BXXL	10W,15W	200-1500	5,12,15,24	4000VDC	79	DIP	RoHS
PV15-29B	10W,15W	200-1500	5,12,15,24	4000VAC	74	DIP	RoHS CE CB
PV15-29C NEW	15W	200-1500	5/5,5/5/24	4000VAC	76	DIP	RoHS
PV40-27B	40W	200-1200	12,15,48	4000VAC	84	/	RoHS
PV40-29B	40W	200-1500	12,15,24	4000VAC	83	/	RoHS cULus CE CB
PV45-29D	45W	150-1500	12V/15V/24V dual outputs (customization is acceptable)	4000VAC	78	/	RoHS
PV60-27D NEW	60W	200-1100	12/15	4000VAC	85	/	RoHS
PV120-27B	120W	200-1100	12,15,24,48	4000VAC	89	/	RoHS
PV200-27B NEW	200W	200-1000	12,15,24,26,48	4000VAC	87	/	RoHS CE
PV200-29B NEW	200W	300-1500	24,48	4000VAC	87	/	RoHS CE CB

LED driver



Series	Input Voltage Range(VDC)	Output Voltage (VDC)	Output Current (mA)	Effi%(Typ)	Package
KC24H-1200	5.5-48	3.3-36	1200	97	DIP
KC24H-R	5.5-46	3.3-36	0-300,0-350,0-500,0-600,0-700	95	DIP
KC24W	5.5-48	3.3-36	0-300,0-350,0-500,0-600,0-700	96	SMD

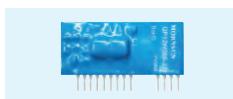
Transceiver Module /Isolation Amplifier /EMC Auxiliary Device /IGBT Driver

DC/DC converter for IGBT driver/SiC MOSFET driver



Series	Input Voltage (VDC)	Input Voltage Range(VDC)	Positive/Negative Output(VDC)	Output Current(mA)	Effi(%) (Typ)	Isolation	Certification
QA01	15	14.5-15.5	+15/-8.7	+80/-40	80	3000VAC	RoHS & CB CE
QAW01	12	9-18	+15/-9	+200/-200	85	3500VAC	RoHS
QA03	24	23.3-24.7	+15/-8.7	+80/-40	80	3000VAC	RoHS & CB CE
QA01C	15	13.5-16.5	+20/-4	+100/-100	83	3500VAC	RoHS & CB CE
QAU242D2G	24	9-36	+24/+24	+150/+150	85	4200VAC	RoHS
QA152D	15	13.5-16.5	+15/-9	+200/-200	83	4000VAC	RoHS CE
QA156D-24	15	13.5-16.5	+24/	+150/-	80	12000VDC	RoHS CE

Hybrid integrated IGBT driver (built-in isolated DC/DC converter)



Series	VCE (max.)	Power Supply VCC(VDC)	Gate Voltage	Output Peak Current	Max. Frequency	Driving Channels	Isolation
QP12W08S-37	1700V	15	+15V/-9V	±8A	20KHz	1	3750VAC

Hybrid integrated IGBT driver



Series	VCE (max.)	Power Supply VCC(VDC)	Power Supply VEE(VDC)	Gate Voltage	Output Peak Current	Max. Frequency	Driving Channels	Isolation
QC962-8A	1700V	15	-10	+15V/-9V	±8A	40KHz	1	3750VAC

Signal conditioning module



Series	Function	Input Signal	Output Signal	Isolation	Package
T1100N	Passive module	4-20mA	4-20mA	3000VDC	DIP16
TF_N	Active module	0-5V,0-10V	0/4-20ma,0-5V,0-10V	2000VAC	DIP18
T_P	Active module	0/4-20ma,0-5V,0-10V	0/4-20ma,0-5V,0-10V	2500VDC	DIP24
TM_CP	Active high precision signal (mV-class)	±10/±20/±50/±75/±100mV/±200mV	±5V/±10V	2500VDC	DIP24
T1100L	Passive module	4-20mA	4-20mA	3000VDC	SIP12
TE_CN	Active module positive and negative signal	±5V,±10V	±5V,±10V	2000VAC	DIP18
TFW_N	Active high precision PWM signal	PWM signal 0-100%	0-20ma,0-10V	2000VAC	DIP18
TE_N	Active module	0-5V,0-10V,4-20mA	0-5V,0-10V	2000VAC	DIP18
T_HL	Two-wire self-powered module with HART	0-2.5V	3.7-22mA	2000VAC	SIP9
TEM_AN	Active, mV-class, positive and negative signal	±75mV/±100mV	0-5V	2000VAC	DIP18

Industrial bus isolation transceiver module



Series	Function	Power Supply	Baud Rate	Isolation	Nodes	Package
TD331/531S485H <small>NEW</small>	SMD single high-rate RS485 isolated transceiver module	3.15-3.45,4.75-5.25V	150Kbps	2500VDC	128	SMD
TD321/521S485H	SMD single high-rate RS485 isolated transceiver module	3.15-3.45,4.75-5.25V	200Kbps	3000VDC	64	SMD
TD331/531S485H-E <small>NEW</small>	SMD single high-rate RS485 isolated transceiver module (enhanced)	3.15-3.45,4.75-5.25V	500Kbps	2500VDC	256	SMD
TD331/531SCANFD <small>NEW</small>	SMD single CANFD isolated transceiver module	3.15-3.45,4.75-5.25V	40K-5Mbps	2500VDC	110	SMD
TD321/521SCANH	SMD single high-rate CAN isolated transceiver module	3.15-3.45,4.75-5.25V	40K-1Mbps	3000VDC	110	SMD
TD301/501MCAN	Single high-rate compact size CAN isolated transceiver module	3.15-3.45,4.75-5.25V	40K-1Mbps	2500VDC	110	DIP8
TD301/501MCANFD	Single high-rate compact size CANFD isolated transceiver module	3.15-3.45,4.75-5.25V	40K-5Mbps	2500VDC	110	DIP8
TD331/531S232H <small>NEW</small>	SMD single high-rate RS232 isolated transceiver module	3.15-3.45,4.75-5.25V	0-115200bps	2500VDC	1	DIP8
TLAXX-03K485	Integrated isolated 485 AC/DC power supply	85-305VAC/100-430VDC	500Kbps	4000VAC	128	/
TLAXX-03KCAN	Integrated isolated CAN AC/DC power supply	85-305VAC/100-430VDC	5-1000Kbps	4000VAC	110	/

EMC auxiliary device



Series	Function	Input Voltage	Power/Current (Max.)	Feature
FC-LX1D	EMC filter	85-305VAC	1.5A	Used with AC/DC converter
FC-AX3D	EMC filter	10-36VDC	30W	Used with DC/DC converter
FC-B02D	EMC filter	18-75VDC	30W	Used with DC/DC converter
FC-CX1D	EMC filter	40-160VDC	30W	Used with DC/DC converter
FC-CX3D	EMC filter	66-160VDC	100W	Used with DC/DC converter
FL2D	Common mode filter	/	0.5,1,3A	/

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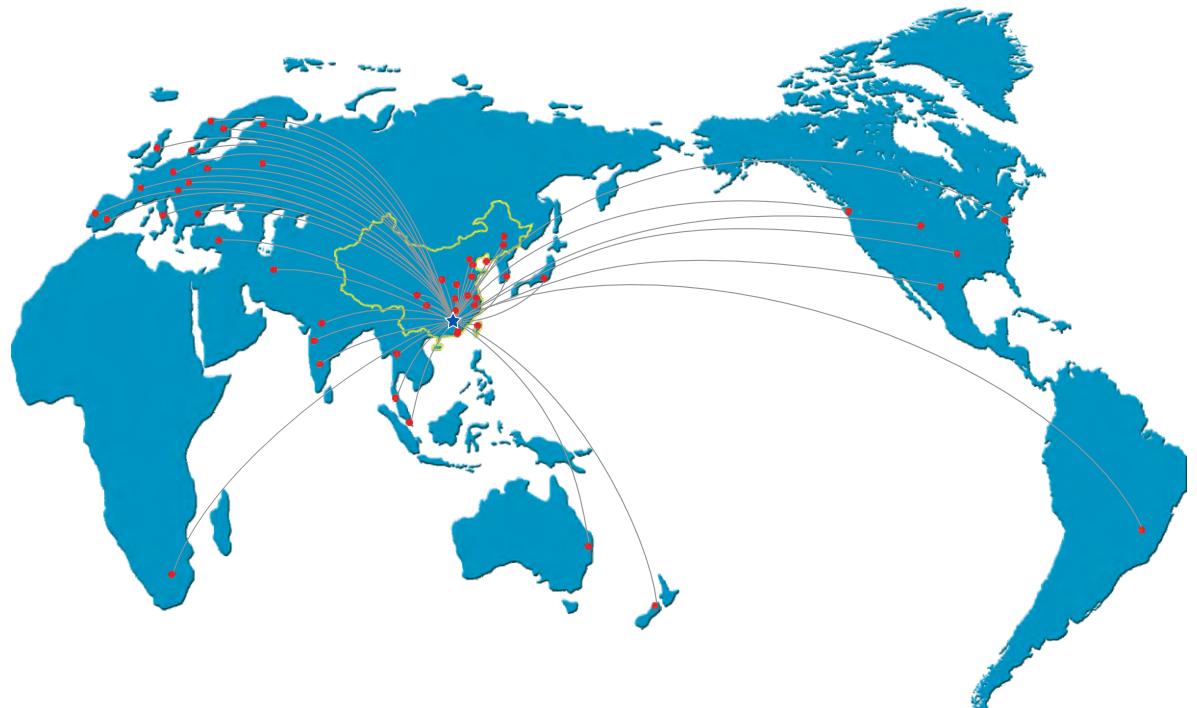
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