

15-350W

Enclosed Switching Power Supply

SELECTION GUIDE



Low cost



Robust



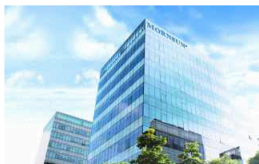
Fast



One-stop solutions of power supplies

AC/DC Converter • DC/DC Converter • Enclosed Switching Power Supply • Transceiver Module
IGBT Driver • LED Driver • EMC Auxiliary • IC • Transformer • Adapter

- Established: 1998
- Employees: 2600+
- Information Management: OA & ERP & CRM & EHR & PLM & ISP
- Certifications: ISO9001, IATF16949, ISO14001, OHSAS18001
- Factory: 60000+ square meters
- Patents & IPRs: 1000+
- Registered Capital: USD \$30+ million
- Business Coverage: Global



Headquarter in Guangzhou



Manufacturing Center in Huaihua



R&D Center in Guangzhou

Enclosed Switching Power Supply

- › 35-350W LM Series (Single output, 264VAC input)
- › 15-150W LM Series (Single output, 305VAC input)
- › 35-100W LM Series (Multiple outputs)
- › 75-320W LMF Series (Single output, with PFC function)

Applications



Industrial



Power Grid



Communication



Railway



Automotive



PV



Medical



Fire & Security



IOT



Mining

Certifications

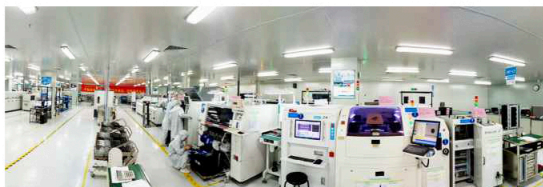


REACH



Excellent Technology

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


































Automatic TE workshop



Automatic SMT clean room

Enclosed Switching Power Supply Selection Guide

Series	Power (W)(Typ.)	Input Voltage	Nominal output voltage and current (Vo/Io)	Output voltage adjustable range (VDC)	Isolation voltage (VAC)	Efficiency (max.)	NO. of outputs	Certification
LM15-23Bxx (pending)	15	85-305VAC 100-430VDC	3.3V/3A, 5V/3A, 12V/1.3A, 15V/1A, 24V/0.625A, 48V/0.32A	2.85-3.6, 4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 42-54	4000	83%	1	CE   (pending)
LM25-23Bxx (pending)	25	85-305VAC 100-430VDC	3.3V/6A, 5V/5A, 12V/2.1A, 15V/1.7A, 24V/1.1A, 48V/0.57A	2.85-3.6, 4.5-5.5, 10.8-13.2, 13.5-16.5, 22-27.6, 42-54	4000	87%	1	CE   (pending)
LM35-20Bxx	35	85-264VAC 120-373VDC	5V/7A, 12V/3A, 15V/2.4A, 24V/1.5A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8	4000	88%	1	CE  
LM35-22Bxx	35	165-264VAC 180-373VDC	5V/7A, 12V/3A, 15V/2.4A, 24V/1.5A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8	4000	88%	1	CE  
LM35-23Bxx	35	85-305VAC 120-430VDC	5V/7A, 12V/3A; 15V/2.4A, 24V/1.5A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8	4000	87%	1	CE  
LM35-10Cxx	35	85-264VAC 120-373VDC	5V/3A, 12V/1A, -12V/0.5A; 5V/2.5A, 15V/1A, -15V/0.5A; 5V/2.5A, 24V/0.5A, 12V/1A	4.75-5.50	3000	81%	3	CE
LM35-10Dxx	35	85-264VAC 120-373VDC	5V/4A, 12V/1A; 5V/2.2A, 24V/1A	4.75-5.50	3000	83%	2	CE
LM50-10A12	50	85-264VAC 120-373VDC	12V/2.1A, -12V/2.1A	-	3000	83%	2	CE
LM50-20Bxx	50	85-264VAC 120-373VDC	5V/10A, 12V/4.2A, 15V/3.4A, 24V/2.2A 36V/1.45A, 48V/1.1A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	88%	1	CE  
LM50-22Bxx	50	165-264VAC 180-373VDC	5V/10A, 12V/4.2A, 15V/3.4A, 24V/2.2A 36V/1.45A, 48V/1.1A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	88%	1	CE  
LM50-23Bxx	50	85-305VAC 120-430VDC	5V/10A, 12V/4.2A, 15V/3.4A, 24V/2.2A 36V/1.45A, 48V/1.1A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	87%	1	CE  
LM50-10Cxx	50	85-264VAC 120-373VDC	5V/4A, 12V/2A, -12V/0.5A; 5V/4A, 15V/1.5A, -15V/0.5A; 5V/3A, 24V/1A, 12V/1A	4.75-5.50	3000	85%	3	CE
LM50-10Dxx	50	85-264VAC 120-373VDC	5V/6A, 12V/2A; 5V/4A, 24V/1.4A	4.75-5.50	3000	84%	2	CE
LM75-20Bxx	75	85-264VAC 120-373VDC	5V/14A, 12V/6A, 15V/5A, 24V/3.2A, 48V/1.6A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 43.2-52.8	4000	91.5%	1	CE  
LM75-22Bxx	75	165-264VAC 200-373VDC	5V/14A, 12V/6A, 15V/5A, 24V/3.2A, 48V/1.6A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 43.2-52.8	4000	91.5%	1	CE  
LM75-23Bxx	75	85-305VAC 120-430VDC	5V/14A, 12V/6A, 15V/5A, 24V/3.2A, 36V/2.1A, 48V/1.6A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	90.5%	1	CE  
LM75-10Cxx	75	90-264VAC 120-373VDC	5V/6A, 12V/2.8A, -12V/0.5A; 5V/6A, 15V/2.3A, -15V/0.5A; 5V/5A, 24V/1.5A, 12V/1A	4.75-5.50	3000	84%	3	CE
LM75-10Dxx	75	90-264VAC 120-373VDC	5V/7A, 12V/3A; 5V/5A, 24V/2A	4.75-5.50	3000	84%	2	CE 
LMF75-20Bxx	75	85-264VAC 120-370VDC	5V/14A, 12V/6.3A, 15V/5A, 24V/3.2A, 48V/1.6A	4.75-5.5, 11.4-13.2, 14.3-16.5, 22.8-26.4, 45.6-52.8	4000	89%	1	CE  
LM100-20Bxx	100	85-264VAC 120-373VDC	5V/18A, 12V/8.5A, 15V/7A, 24V/4.5A, 36V/2.8A, 48V/2.3A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	91%	1	CE  
LM100-22Bxx	100	165-264VAC 200-373VDC	5V/18A, 12V/8.5A, 15V/7A, 24V/4.5A, 36V/2.8A, 48V/2.3A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	91%	1	CE  
LM100-23Bxx	100	85-305VAC 120-430VDC	5V/18A, 12V/8.5A, 15V/7A, 24V/4.5A, 36V/2.8A, 48V/2.3A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 43.2-52.8	4000	91%	1	CE  
LM100-10Cxx	100	90-264VAC 120-373VDC	5V/8A, 12V/3.5A, -12V/1A; 5V/7A, 15V/3A, -15V/1A; 5V/6A, 24V/2A, 12V/1.5A	4.75-5.50	3000	85%	3	CE
LM100-10Dxx	100	90-264VAC 120-373VDC	5V/5A, 24V/3A; 12V/4A, 24V/2A	4.75-5.50, 11.4-13.2	3000	87%	2	CE



Low cost



Robust



Fast

Enclosed Switching Power Supply

Series	Power (W)(Typ)	Input Voltage	Nominal output voltage and current (Vo/Io)	Output voltage adjustable range (VDC)	Isolation voltage (VAC)	Efficiency (max.)	NO. of outputs	Certification
LMF100-20Bxx	100			Pending				CE (CCC) cULus (pending)
LM150-20Bxx	150	85-264VAC 120-373VDC	12V/12.5A, 15V/10A, 24V/6.5A, 36V/4.3A, 48V/3.3A	10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	89%	1	CE (CCC) cULus
LM150-22Bxx	150	165-264VAC 180-373VDC	12V/12.5A, 15V/10A, 24V/6.5A, 36V/4.3A, 48V/3.3A	10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	89%	1	CE (CCC) cULus
LM150-23Bxx	150	85-305VAC 120-430VDC	12V/12.5A, 15V/10A, 24V/6.5A, 36V/4.3A, 48V/3.3A	10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	4000	89%	1	CE (CCC) cULus
LMF150-20Bxx	150			Pending				CE (CCC) cULus (pending)
LM200-10Bxx	200	90-132VAC/180-264VAC 240-373VDC	5V/40A, 12V/17A, 15V/14A, 24V/8.8A, 36V/5.9A, 48V/4.4A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	3000	87.5%	1	CE (CEC)
LM200-12Bxx	200	176-264VAC 240-373VDC	5V/40A, 12V/17A, 15V/14A, 24V/8.8A, 36V/5.9A, 48V/4.4A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	3000	87.5%	1	CE (CEC)
LMF200-20Bxx	200			Pending				CE (CCC) cULus (pending)
LMF320-20Bxx	320			Pending				CE (CCC) cULus (pending)
LM350-10Bxx	350	90-132VAC/180-264VAC 240-373VDC	5V/60A, 12V/29A, 15V/23.2A, 24V/14.6A, 36V/9.7A, 48V/7.3A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	3000	88.5%	1	CE (CEC) cULus
LM350-12Bxx	350	176-264VAC 240-373VDC	5V/60A, 12V/29A, 15V/23.2A, 24V/14.6A, 36V/9.7A, 48V/7.3A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 32.4-39.6, 43.2-52.8	3000	89%	1	CE (CEC) cULus

DIN-Rail Power Supply

Series	Power (W)(Typ)	Input Voltage	Nominal output voltage and current (Vo/Io)	Output voltage adjustable range (VDC)	Isolation voltage (VAC)	Efficiency (max.)	NO. of outputs	Certification
LI30-20Bxx-PR2	30	85-264VAC 120-370VDC	5V/3A, 12V/2A, 15V/2A, 24V/1.5A, 48V/0.75A	4.9-5.5, 10.8-13.8, 13.5-18.0, 21.6-29.0, 43.2-55.2	4000	90%	1	CE
LI60-20BxxPR2	60	85-264VAC 120-370VDC	5V/6.5A, 12V/4.5A, 15V/4.0A, 24V/2.5A, 48V/1.25A	4.9-5.5, 10.8-13.8, 13.5-18.0, 21.6-29.0, 43.2-55.2	4000	91%	1	CE
LI75-20BxxR2	75	90-264VAC 120-373VDC	12V/6.3A, 24V/3.2A, 48V/1.6A	12-14, 24-28, 48-53	4000	90%	1	CE
LI100-20BxxPR2	100	85-264VAC 120-370VDC	12V/7.5A, 15V/6.5A, 24V/4.2A, 48V/2.1A	12-13.8, 13.5-18.0, 21.6-29.0, 43.2-55.2	4000	90%	1	CE
LI120-20BxxR2	120	90-264VAC 127-373VDC	12V/10A, 24V/5A, 48V/2.5A	12-14, 24-28, 48-55	4000	89%	1	CE
LI120-13Bxx	120	85-305VAC 100-430VDC	12V/10A, 24V/5A	-	3000	91%	1	-

Enclosed Switching Power Supply: (Single output, 264VAC input)

35-350W LM Series



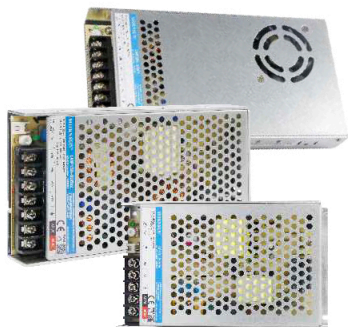
- › Compact size with 30mm thickness low profile
- › Output short circuit, over-current, over-voltage, over-temperature protection
- › Withstand 300VAC surge input for 5s
- › Over-voltage class III (designed to meet EN61558)
- › Withstand 5G vibration test, meets 5000m altitude requirement
- › Low standby power consumption (<0.3W), high efficiency (up to 91.5%)
- › LED indicator for power on
- › Forced air cooling by built-in DC fan (350W)
- › CE/CCC/UL approval/CQC approval (200W/350W)
- › Meets IEC/EN60335-1(PD3), IEC/EN61558-1, 2-16 standards, suitable for home appliances
- › Variant series:
 - ① terminal with protective cover series: with suffix "-C"
 - ② conformal coating series: with suffix "-Q"

Specification (For more information, please visit www.mornsunpower.de)

Narrow input	Series	LM35-22B	LM50-22B	LM75-22B	LM100-22B	LM150-22B	LM200-12B	LM350-12B	
	Input Voltage	165-264VAC; 180-373VDC		165-264VAC; 200-373VDC		165-264VAC; 180-373VDC	176-264VAC; 240-373VDC		
Full input	Series	LM35-20B	LM50-20B	LM75-20B	LM100-20B	LM150-20B	LM200-10B	LM350-10B	
	Input Voltage	85-264VAC; 120-373VDC					90-132VAC / 180-264VAC (Optional) 240-373VDC		
Inrush Current (@230VAC)		Cold start, 45A		Cold start, 65A		Cold start, 60A			
Over-current Protection (Self-recovery)		110%-150% lo			110%-200% lo		110% -185% lo	110% -180% lo	
Short Circuit Protection		Hiccup, continuous, self-recovery							
Isolation Voltage (Electric strength test for 1 min., leakage current <10mA)		Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 1.25kVAC					Input-Output: 3kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC		
Operating Temperature		-30°C to +70°C							
EMC	EMI	CISPR32/EN55032 CLASS B					CISPR32/EN55032 CLASS A		
	EMS	IEC/EN 61000-4-2 Contact ±6KV, IEC/EN 61000-4-3 10V/m, IEC/EN 61000-4-6 10 Vr.m.s, IEC/EN 61000-4-4, 5, 11							
Safety Standard		IEC/EN/UL62368, EN60335, GB4943, IEC/EN60335-1 (PD3) and IEC/EN61558-1, 2-16							
MTBF		MIL-HDBK-217F@25°C > 300,000 h							
Dimension (LxWxH)(mm)		99 x 82 x 30		99 x 97 x 30	129 x 97 x 30	159 x 97 x 30	179 x 99 x 30	215 x 115 x 30	
Packaging		52pcs/12.7kg		48pcs/12.8kg	36pcs/13.7kg	28pcs/13.1kg	26pcs/16.1kg	19pcs/15.4kg	

Enclosed Switching Power Supply: 75-320W LMF Series

(Single output, with PFC function)



- › Compact size with 30mm thickness low profile
- › Output short circuit, over-current, over-voltage, over-temperature protection (built-in constant current limiting circuit)
- › Withstand 300VAC surge input for 5s
- › Low standby power consumption, high efficiency, low ripple & noise
- › LED indicator for power on
- › Forced air cooling by built-in DC fan (320W)
- › Variant series:
 - ① terminal with protective cover series: with suffix "-C"
 - ② conformal coating series: with suffix "-Q"

Specification (For more information, please visit www.mornsunpower.de)

Series	LMF75-20B	LMF100-20B	LMF150-20B	LMF200-20B	LMF320-20B
Input Voltage	85-264VAC 120-373VDC	Pending			
Output Voltage	5V, 12V, 15V, 24V, 48V				
Inrush Current (@230VAC)	Cold start, 35A				
Over-current Protection	≥ 105% I _o , Self-recovery				
Short Circuit Protection	Constant current, continuous, self-recovery				
Isolation Voltage <small>(Electric strength test for 1 min., leakage current <10mA)</small>	Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC				
Operating Temperature	-25°C to +70°C				
EMC	EMI	CISPR32/EN55032 CLASS B			
	EMS	IEC/EN 61000-4-2 Contact ± 6KV, IEC/EN 61000-4-3 10V/m, IEC/EN61000-4-6 10 Vr.m.s, IEC/EN61000-4-4,5,11			
Safety Standard	IEC/EN/UL62368, EN60335, GB4943				
MTBF	MIL-HDBK-217F@25°C > 250,000 h				
Dimension (LxWxH)(mm)	159 x 97x 30				
Packaging	28pcs/13.1kg				



- ▶ Accepts AC or DC input (dual-use of same terminal)
- ▶ High efficiency up to 90%
- ▶ Low ripple & noise
- ▶ Output short circuit, over-current, over-voltage, over-temperature protection
- ▶ Compact size: Suitable for small chassis and narrow space installation
- ▶ Withstand 300VAC surge input for 5s
- ▶ Meets 5000m altitude requirement
- ▶ Meets IEC61000-3-2 harmonic requirements, suitable for lighting circuits (LI75-R2)

Specification (For more information, please visit www.mornsunpower.de)

Series		LI30-PR2	LI60-PR2	LI100-PR2	LI75-R2	LI120-R2	LI120-13B
Input Voltage		85-264VAC ; 120-370VDC			90-264VAC;120-373VDC	90-264VAC;127-373VDC	85-305VAC;100-430VDC
Output Voltage		5V, 12V, 15V, 24V, 48V		12V, 15V, 24V, 48V	12V, 24V, 48V		12V, 24V
Inrush Current (@230VAC)		Cold start, 45A	Cold start, 60A	Cold start, 70A	Cold start, 45A	Cold start, 40A	Cold start, 70A
Over-current Protection	Range	≥ 120% Io		110% -200% Io	105%-150% Io	105%-130% Io	110%-200% Io
	Type	Self-recovery			Self-recovery in constant current mode after the load exception condition is removed		Start protecting after 3 seconds, self-recovery
Short Circuit Protection		Hiccup, continuous, self-recovery			Constant current, continuous, self-recovery		Continuous, self-recovery
Isolation Voltage <small>(Electric strength test for 1 min., leakage current <10mA)</small>		Input-Output:4000VAC				Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC	Input-Output: 3000VAC
Operating Temperature		-40°C to +70°C			-30°C to +70°C	-20°C to +60°C	-25°C to +70°C
EMC	EMI	CISPR32/EN55032 CLASS B				CISPR32/EN55032 CLASS A	CISPR32/EN55032 CLASS B
	EMS	IEC/EN 61000-4-2 Contact ± 6KV, IEC/EN 61000-4-3 10V/m, IEC/EN61000-4-6 10 Vr.m.s, IEC/EN61000-4-4,5,11					
Safety Standard		UL62368/EN62368/IEC62368			IEC/EN/UL62368, IEC/EN/UL60335, GB4943, UL508	IEC/EN/UL62368, EN60335, GB4943	-
Package, PFC		DIN-Rail Plastic enclosure, without PFC			DIN35 Plastic enclosure, without PFC		DIN35 Plastic enclosure, PFC
Dimension (LxWxH)(mm)		92.66 x 35 x 58	92.66 x 52 x 58	92.66 x 70 x 58	120 x 30 x 128	112.7 x 35 x 125	112.7 x 35 x 125
Packaging		54pcs/8.75kg	36pcs/8.84kg	24pcs/8.18kg	24pcs/10.5kg	22pcs/14.9kg	22pcs/16.9kg

Enclosed Switching Power Supply: 15-150W LM Series (Single output, 305VAC input)



- ▶ Compact size with 1U low profile
- ▶ Output short circuit, over-current, over-voltage, over-temperature protection
- ▶ Withstand 300VAC surge input for 5s
- ▶ Over-voltage class III (designed to meet EN61558)
- ▶ Withstand 5G vibration test, meets 5000m altitude requirement
- ▶ Low standby power consumption (<0.3W), high efficiency (up to 91.5%)
- ▶ LED indicator for power on (200W/350W)
- ▶ Forced air cooling by built-in DC fan (350W)
- ▶ UL/CE/CCC approval
- ▶ Meets IEC/EN60335-1(PD3), IEC/EN61558-1,2-16 standards, suitable for home appliances
- ▶ 3-proof customization is available

Specification (For more information, please visit www.mornsunpower.de)

Series	LM15-23B (pending)	LM25-23B (pending)	LM35-23B	LM50-23B	LM75-23B	LM100-23B	LM150-23B
Input Voltage	85-305VAC/100-430VDC		85-305VAC/120-430VDC				
Inrush Current (@230VAC)	30A	40A	65A	70A	Cold start at normal temperature, 70A	Cold start at normal temperature, 65A	Cold start, 60A
Standby Power Consumption	3.3-24V output: <0.3W 48V output: <0.5W		<0.3W	<0.5W		5-24V output: <0.3W 36-48V output: <0.5W	<0.5W
Over-current Protection (Self-recovery)	≥ 110%Io	110%-300%Io	110%-200%Io				110%-150%Io
Short Circuit Protection	Hiccup, continuous, self-recovery		Hiccup or turning off, continuous, self-recovery		Hiccup, continuous, self-recovery		
Isolation Voltage <small>(Electric strength test for 1 min., leakage current <10mA)</small>	Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 1.25kVAC						
Operating Temperature	-30°C to +70°C						
EMC	EMI	CISPR32/EN55032 class B					
	EMS	IEC/EN 61000-4-2 Contact ±6KV, IEC/EN 61000-4-3 10V/m, IEC/EN61000-4-6 10 Vr.m.s, IEC/EN61000-4-4,5,11					
Safety Standard	IEC/EN61000-4, CISPR32/EN55032, IEC/UL/EN62368, EN60335, EN61558, GB4943						
MTBF	MIL-HDBK-217F@25°C > 300,000 h						
Dimension (LxWxH)(mm)	65 x 55 x 25	80 x 55 x 25	99 x 82 x 30		99 x 97 x 30	129 x 97 x 30	159 x 97 x 30
Packaging	120pcs/13.3kg	85pcs/11.7kg	52pcs/12.7kg		48pcs/12.8kg	36pcs/13.7kg	28pcs/13.1kg

Enclosed Switching Power Supply: 35-100W LM Series

(Multiple outputs)



- › Compact size with 30mm thickness low profile
- › Output short circuit, over-current, over-voltage protection
- › Withstand 300VAC surge input for 5s
- › Withstand 5G vibration test, meets 5000m altitude requirement
- › High efficiency, high reliability, long service life
- › LED indicator for power on
- › CE approval, UL approval (LM75-10D)
- › Meets IEC/EN60335-1(PD3), IEC/EN61558-1, 2-16 standards, suitable for home appliances
- › 3-proof customization is available

Specification (For more information, please visit www.mornsunpower.de)

Series	LM35-10C	LM50-10C	LM75-10C	LM100-10C	LM50-10A	LM35-10D	LM50-10D	LM75-10D	LM100-10D
Input Voltage	85-264VAC; 120-373VDC		90-264VAC ; 120-373VDC		85-264VAC ;120-373VDC			90-264VAC; 120-373VDC	
Output Voltage	Triple outputs: 5V/ ± 12V, 5V/ ± 15V, 5V/24V/12V				Dual outputs: 12V/-12V	Dual outputs: 5V/12V, 5V/24V			Dual outputs: 5V/24V, 12V/24V
Inrush Current (@230VAC)	Cold start, 50A		Cold start, 45A	Cold start, 50A				Cold start, 45A	Cold start, 50A
Over-current Protection (Self-recovery)	110%-180% Io	110%-230% Io	≥ 110% Io		110%-230% Io	110%-220% Io	110%-230% Io	≥ 110% Io	
Short Circuit Protection	Hiccup, continuous, self-recovery								
Isolation Voltage <small>(Electric strength test for 1 min., leakage current <10mA)</small>	Input-Output: 3kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC					Input-Output: 3kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC, Output-Output: 0.5kVAC			
Operating Temperature	-30°C to +70°C								
EMC	EMI	CISPR32/EN55032 CLASS B							
	EMS	IEC/EN 61000-4-2 Contact ± 6KV, IEC/EN 61000-4-3 10V/m, IEC/EN61000-4-6 10 Vr.m.s, IEC/EN61000-4-4,5,11							
Safety Standard	IEC/EN/UL62368, EN60335, GB4943, IEC/EN60335-1(PD3) and IEC/EN61558-1, 2-16								
MTBF	MIL-HDBK-217F@25°C > 300,000 h								
Dimension (LxWxH)(mm)	99 x 97 x 30		129 x 97 x 30	159 x 97 x 30	99 x 97 x 30			129 x 97 x 30	159 x 97 x 30
Packaging	48pcs/12.8kg		36pcs/13.7kg	28pcs/13.1kg	48pcs/12.8kg			36pcs/13.7kg	28pcs/13.1kg



mornsun website

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