

35-350W

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)
- › **35-150W 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



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
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 cULus
LM50-10A12	50	85-264VAC 120-373VDC	12V/2.1A, -12V/2.1A	-	3000	83%	2	CE (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 cULus
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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 CCC cULus (pending)
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

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	85-264VAC 120-373VDC	5V/20A, 12V/8.5A, 15V/6.7A, 24V/4.2A, 48V/2.1A	4.75-5.5, 11.4-13.2, 14.3-16.5, 22.8-26.4, 45.6-52.8	4000	88%	1	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 (pending)
	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 (pending)
	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 (pending)
	LMF150-20Bxx	150	85-264VAC 120-373VDC	5V/30A, 12V/12.5A, 15V/10A, 24V/6.3A, 48V/3.2A	4.5-5.5, 10.2-13.8, 13.5-18, 21.6-28.8, 43.2-52.8	4000	90%	1	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 CQC
	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 CQC
	LMF200-20Bxx	200	85-264VAC 120-373VDC	5V/40A, 12V/16.7A, 15V/13.4A, 24V/8.4A, 48V/4.2A	4.5-5.5, 10-13.2, 13.5-18, 20-26.4, 41-56	4000	88%	1	CE CCC CULUS (pending)
	LMF320-20Bxx	320	85-264VAC 120-373VDC	5V/60A, 12V/26.7A, 15V/21.4A, 24V/13.4A, 48V/6.7A	4.5-5.5, 10-13.2, 13.5-18, 20-26.4, 41-56	4000	86.5%	1	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 CQC CULUS (pending)
	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 CQC CULUS (pending)

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	-

Open Frame 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
	LOF120-20Bxx	120	85-264VAC 120-370VDC	12V/9.5A, 15V/7.6A, 24V/5A, 27V/4.44A, 48V/2.5A	11.4-12.6, 14.3-15.8, 22.8-25.2, 25.6-28.4, 45.6-50.4	4000	94%	1	CE CULUS (pending)
	LOF225-20Bxx	225	85-264VAC 120-370VDC	12V/18.75A, 15V/15A, 24V/9.37A, 27V/8.3A, 48V/4.68A	11.4-12.6, 14.3-15.8, 22.8-25.2, 25.6-28.4, 45.6-50.4	4000	94%	1	CE CULUS (pending)
	LOF350-20Bxx	350	90-264VAC 120-373VDC	12V/25A, 15V/21.67A, 24V/14.58A, 27V/12.96A, 48V/7.3A	11.4-12.6, 14.25-15.75, 22.8-25.2, 25.65-28.35, 45.6-50.4	4000	94%	1	CE CULUS (pending)

Enclosed Switching Power Supply:
35-350W LM Series

(Single output, 264VAC input)



- › 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.mornsun-power.com)

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% Io			110%-200% Io		110% -185% Io	110% -180% Io
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℃ to +70℃						
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/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℃ > 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:
35-150W LM Series

(Single output, 305VAC input)



- › Compact size with 30mm thickness low profile
- › Output short circuit, over-current, over-voltage, over-temperature protection
- › Over-voltage class III (designed to meet EN61558)
- › Withstand 5G vibration test, meets 5000m altitude requirement
- › LED indicator for power on
- › Forced air cooling by built-in DC fan (350W)
- › UL/CE/CCC approval
- › Meets IEC/EN60335-1, IEC/EN61558-1, 2-16 standards, suitable for home appliances
- › 3-proof customization is available

Specification

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

Series		LM35–23B	LM50–23B	LM75–23B	LM100–23B	LM150–23B
Input Voltage		85–305VAC; 120–430VDC				
Inrush Current (@230VAC)		Cold start at normal temperature, 65A	Cold start at normal temperature, 70A		Cold start at normal temperature, 65A	Cold start at normal temperature, 60A
Standby Power Consumption		<0.3W	<0.5W		5–24V output: <0.3W 36–48V output: <0.5W	<0.5W
Over-current Protection (Self-recovery)		110%–200% Io				110%–150% Io
Short Circuit Protection		Hiccup or turning off, continuous, self–recovery		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				
Operating Temperature		–30℃ to +70℃				
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, GB4943, IEC/EN61558–1, 2–16			IEC/EN/UL62368, GB4943, EN60335, IEC/EN61558–1, 2–16	
MTBF		MIL–HDBK–217F@25℃ > 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
Packaging		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

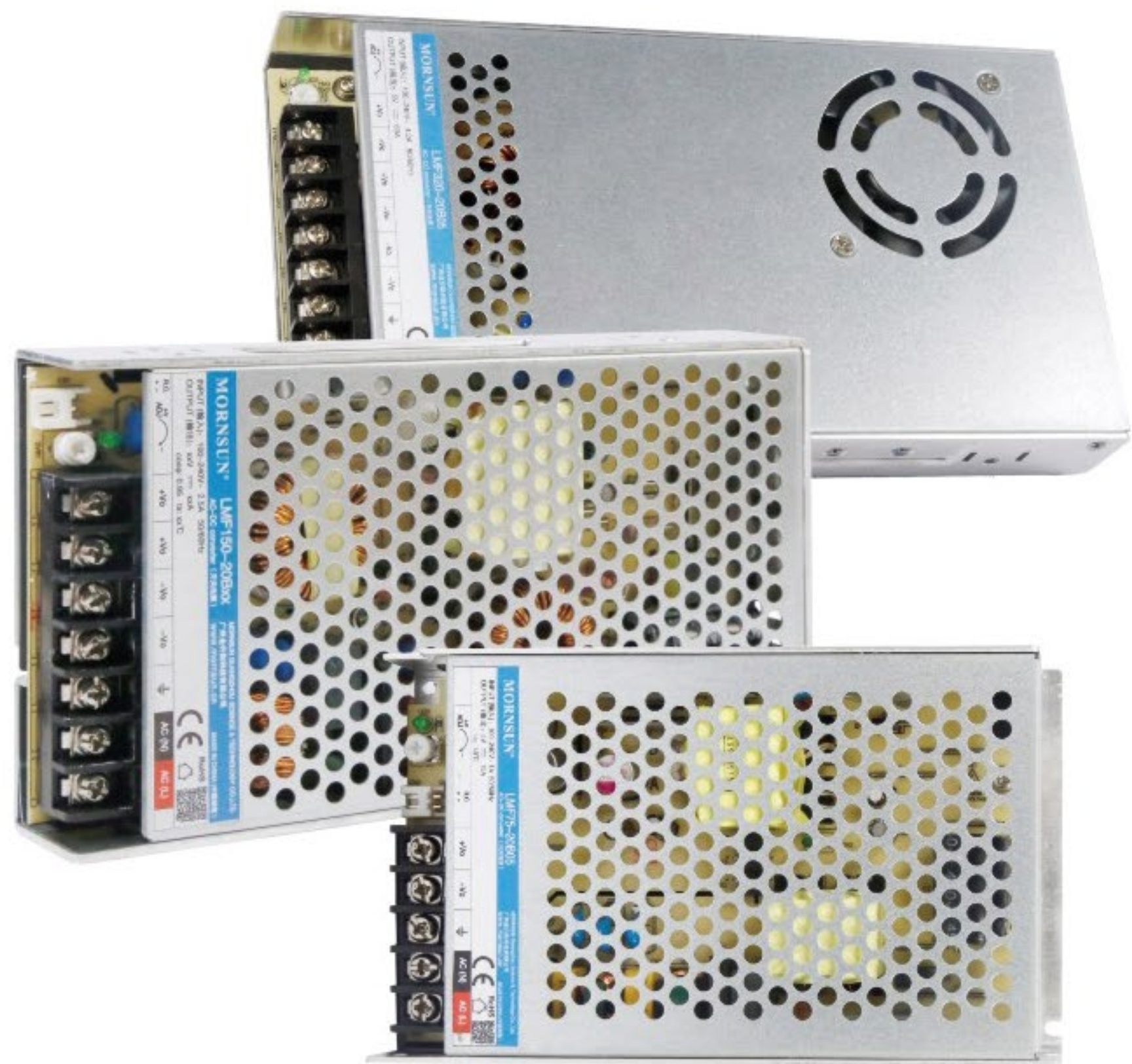
Specification

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

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 (Electric strength test for 1 min., leakage current <10mA)		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℃ to +70℃								
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℃ > 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

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
- › Over-voltage class III (designed to meet EN61558)
- › Low standby power consumption, high efficiency, low ripple & noise
- › Remote ON-OFF control
- › 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.mornsun-power.com)

Series		LMF75-20B	LMF100-20B	LMF150-20B	LMF200-20B	LMF320-20B
Input Voltage		85-264VAC; 120-373VDC				
Output Voltage		5V, 12V, 15V, 24V, 48V				
Inrush Current (@230VAC)		Cold start, 35A	Cold start, 45A		Cold start, 65A	
Over-current Protection		≥ 105% Io, Self-recovery	105%-150% Io, constant current protection, self-recovery			105% - 150% Io, hiccup, self-recovery
Short Circuit Protection		Constant current, continuous, self-recovery			Hiccup or turning off, continuous, self-recovery	
Isolation Voltage (Electric strength test for 1 min., leakage current <10mA)		Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC				
Operating Temperature		-25℃ to +70℃	-30℃ to +70℃			
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℃ > 250,000 h				
Dimension (LxWxH)(mm)		159 x 97x 30	179 x 99 x 30		215 x 115 x 30	
Packaging		28pcs/13.1kg	26pcs/16.1kg		19pcs/15.4kg	

This brochure is for reference only, please visit our website for detailed datasheets: www.mornsun-power.com

AC/DC Power Supply: 30-240W

LI Series

(DIN-Rail)



- › 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)

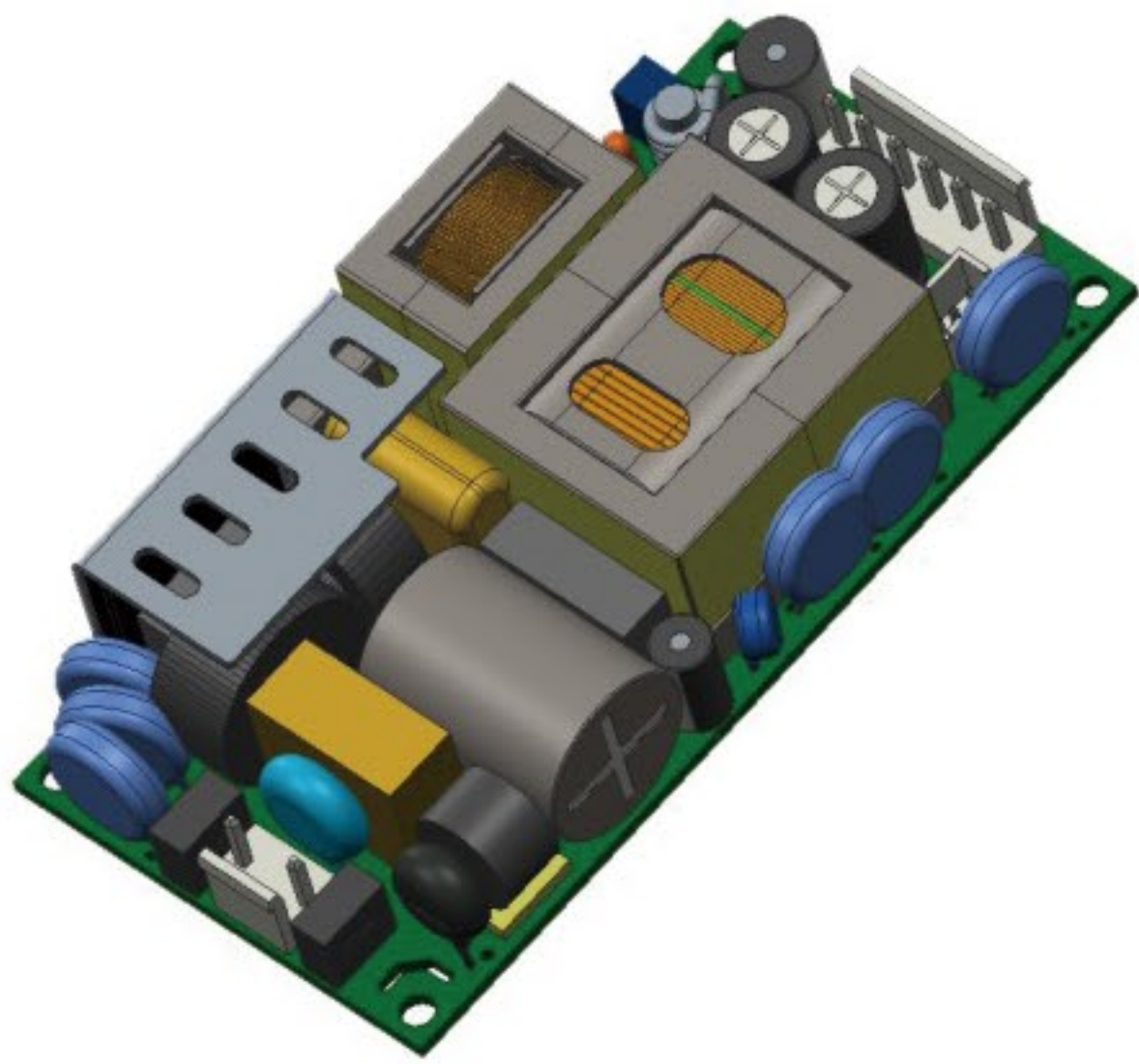
Specification

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

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 (Electric strength test for 1 min., leakage current <10mA)		Input-Output:4000VAC				Input-Output: 4kVAC, Input-GND: 2kVAC, Output-GND: 0.5kVAC	Input-Output: 3000VAC
Operating Temperature		-40℃ to +70℃			-30℃ to +70℃	-20℃ to +60℃	-25℃ to +70℃
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

AC/DC Power Supply:
120-350W LOF Series

(Open frame, with PFC function)



【 New product to be launched 】

- › Compact size with height lower to 1in.
- › High efficiency up to 94%
- › Output short circuit, over-current, over-voltage, over-temperature protection
- › Meets 5000m altitude requirement
- › Low standby power consumption ($\leq 0.5W$)
- › LED indicator for power on
- › Meets EN60601 medical certification, IEC/EN60335, IEC/EN61558 approval
- › Can be matched with shell

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

Series		LOF120-20B	LOF225-20B	LOF350-20B
Input Voltage		85-264VAC; 120-370VDC		90 - 264VAC; 127- 373VDC
Standby Power Consumption		0.3W	0.5W	<0.5W
Inrush Current (@230VAC)		65A		Cold start, 75A
Over-current Protection (Self-recovery)		130%-160% Io	110%-150% Io	$\geq 110\%$ Io
Short Circuit Protection		Hiccup, continuous, self-recovery		
Isolation Voltage (Electric strength test for 1 min., leakage current <10mA)		4000VAC		
Operating Temperature		-40°C to +70°C		
EMC	EMI	CE(Class B)/RE(I B II A)/Harmonic Current(A)		EN55032 CLASS B
	EMS	EN 61000-4-2 Contact $\pm 6KV$, EN 61000-4-3 10V/m, EN61000-4-6 10 Vr.m.s, EN61000-4-4,5,8		EN 61000-4-2 Contact $\pm 6KV$, EN 61000-4-3 10V/m, EN61000-4-6 10Vr.m.s, EN61000-4-4,5, 11, IEC/EN6100-3-2
Safety Standard		IEC/EN61000, IEC/UL/EN62368, GB4943, EN60335, EN61558, EAC TP TC 004, EN60601		
MTBF		MIL-HDBK-217F@25°C $\geq 300,000$ h		
Dimension (LxWxH)(mm)		3" * 2" * 1.22" inch (76.2 x 50.8 x 31mm)	4" * 2" * 1" inch (101.6 x 50.8 x 25.4mm)	5" * 3" * 1" inch (127 x 76.2 x 25.4mm)

Typical Applications



DCS



PLC



Color sorter



Numerical control machine



Variable-frequency drive



Welding machine



Security inspection system



Entrance guard system



Video surveillance system



Fire monitoring system



Fire alarm system



Electric power monitoring system



Low voltage SVG



APF



Three-phase unbalance correction device



Distribution system



Dust online monitor



Atmospheric particulate analyzer



Online monitoring analyzer for VOCs in water



Water quality monitoring buoy



Intelligent express cabinet



Vending machine



Switching system



Advertising screen



Sharable chargers



Charging pile



Electronic bus stop signage



LED traffic signage



ETC antenna communication system





mornsun website

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