

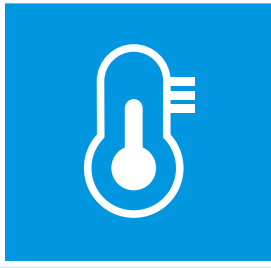
MORNSUN®

Enclosed Switching Power Supply Selection Guide

15-1000W



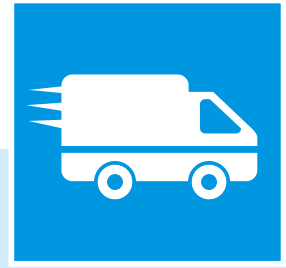
One-stop solutions of power supplies



Stronger Environmental
Adaptability



Better Product
Performance



Faster Delivery

Contents

About MORNSUN 1-2

Enclosed Switching Power Supply Selection Guide 3-5

Part I 305VAC Input Enclosed Switching Power Supply

- 1. Single output (15-150W) 7-10
- 2. With PFC function (100-320W) 11-13

Part II 264VAC Input Enclosed Switching Power Supply

- 1. Single output (35-600W) 15-23
- 2. With PFC function (75-1000W) 24-26

Part III Multiple Outputs Enclosed Switching Power Supply 28-30

Part IV DIN-Rail AC/DC Power Supply 32-42

Part V Open Frame AC/DC Power Supply 44-48

Part VI AC/DC Bus Power Supply 50-51

Part VII Applications 52-54



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

MORNSUN is a one-stop power supplies solutions manufacturer. With 22 years of experience in the area of power supply design and manufacture, MORNSUN has released onto the global market 5000+ high-quality products including AC/DC converter, DC/DC converter, enclosed switching power supply, power ICs, and transformers, etc. for different applications and industries, such as industrial automation, charging station, photovoltaic, telecommunications, medical, smart home, automotive industry, and more. Guided by the service principle of "trustworthiness", MORNSUN offers the best products, fast and local service, and efficient pre-sales and after-sales support for the clients worldwide.



R&D Center in Guangzhou



Manufacturing Center in Huaihua

One-stop solutions of power supplies

Professional
Technology &
Automated
Manufacturing

- 1000+ patents and IPRs: power circuit topology, transformer structures, assembling technology and etc;
- Drafted the standard NB/T 42039-2014 and NB/T 10285-2019;
- With 60000+ square meters manufacturing center, 20+ SMT production lines, the production capacity is up to 80kk per year;
- International standard pin-out and SMD package with convenient design and automatic manufacturing process.

One-stop
Product Sourcing

- The extensive product line, most of which are CE/UL/CB/CSA approval, aims to provide more suitable products for different demands:
On-board power supplies: AC/DC converter, DC/DC converter, EMC Auxiliary device, transceiver module, isolation amplifier, IGBT driver, power ICs, and transformers, etc.
Off-board power supplies: enclosed switching power supply, DIN-Rail power supply and adaptor, ect.
- 10000+ power supply design and industry application cases.

360°
Professional
Support

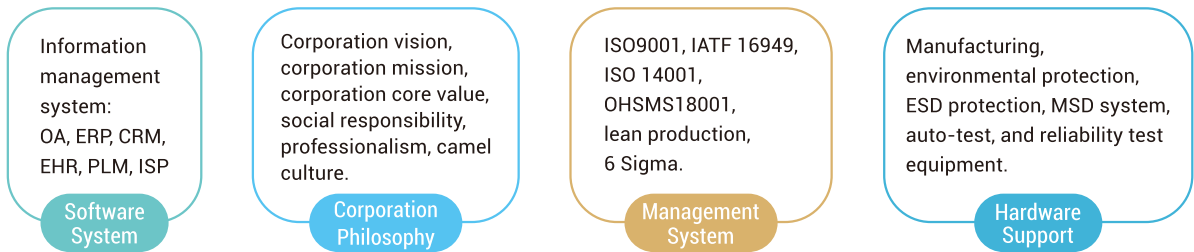
- Professional selection guide: 'Choose the product that works';
- Precise trading: Nearly 100% OTD and door-to-door delivery which reduce customers' cost and risks;
- 360° professional support: Fast response within 48hrs, routine visit, technical communication and discussion.

Notes:

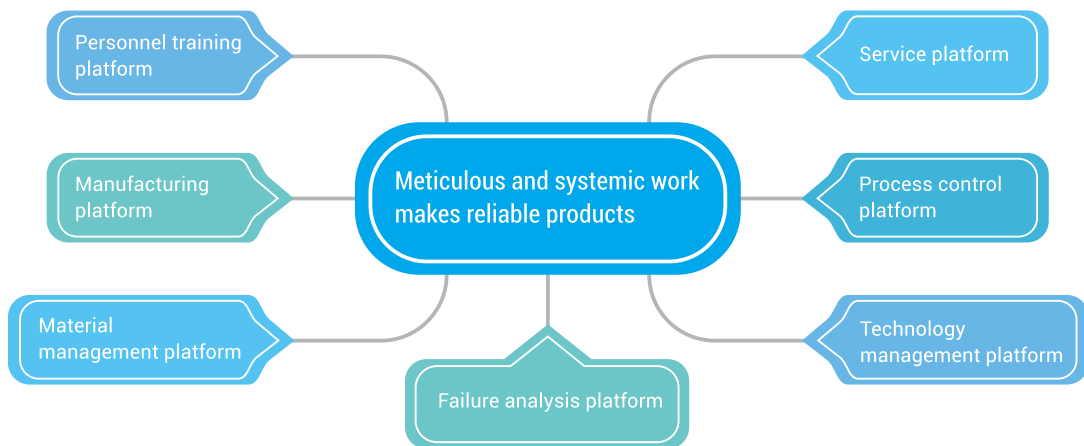
NB/T 42093-2014: Wide voltage input and regulated output isolated DC-DC model power supply

NB/T 10285-2019: Fixed voltage input and unregulated output isolated DC-DC model power supply

MORNSUN's TQA System Architecture



MORNSUN's Reliability Assurance Systems



Certifications & Systems



IATF16949 ISO9001 ISO14001 OHSAS18001





305VAC Input (15-320W)

Series	Power (W) (Max.)	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	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 CB CCC eFUS
LM25-23Bxx	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	88%	1	CE CB CCC eFUS
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 CB CCC eFUS
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	90%	1	CE CB CCC eFUS
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 CB CCC eFUS
LM100-23Bxx	100	85-305VAC 120-431VDC	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	90.5%	1	CE CB CCC eFUS
LMF100-23Bxx	100	85-305VAC 120-430VDC	12V/8.5A, 15V/6.7A, 24V/4.2A, 48V/2.1A	11.4-13.8, 14.3-16.5, 22.8-27.6, 45.6-55.2	4000	87%	1	CE CB CCC eFUS
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 CB CCC eFUS
LMF150-23Bxx	150	85-305VAC 120-430VDC	12V/12.5A, 15V/10A, 24V/6.3A, 48V/3.2A	10.2-13.8, 13.5-18, 21.6-28.8, 45.6-55.2	4000	88%	1	CE CB CCC eFUS
LMF200-23Bxx	200	85-305VAC 120-430VDC	5V/40A, 12V/16.7A, 15V/13.4A, 24V/8.4A, 48V/4.2A	4.5-5.5, 11.4-12.6, 14.25-15.75, 22.8-25.2, 45.6-50.4	4000	90%	1	CE CB CCC eFUS
LMF320-23Bxx	320	85-305VAC 120-430VDC	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	89%	1	CE CB CCC eFUS

264VAC Input (35-75W)

Series	Power (W) (Max.)	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	89%	1	CE CB CCC eFUS
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	89%	1	CE CB CCC eFUS
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	90%	1	CE CB CCC eFUS
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	90%	1	CE CB CCC eFUS
LM75-20Bxx	75	85-264VAC 120-373VDC	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, 2 1.6-28.8, 32.4-39.6, 43.2-52.8	4000	91.5%	1	CE CB CCC eFUS
LM75-22Bxx	75	165-264VAC 200-373VDC	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	91.5%	1	CE CB CCC eFUS
LMF75-20Bxx	75	85-264VAC 120-370VDC	5V/15A, 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 CB CCC eFUS

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