

Power Solutions

- ☐ Telecom Power
- ☒ Medical Power
- ☐ Display Power
- ☐ Enclosed Power Supply
- ☐ LED Power
- ☐ Laser Power
- ☐ OA Power
- ☐ Electric Power
- ☐ Datacenter and Networking Power Solutions
- ☐ Solar & BESS & EV Charging Solution
- ☐ Bi-directional Inverters for Portable Power

Industrial Automation

- ☐ Servo System
- ☐ Control System
- ☐ Elevator Controller
- ☐ Linear Motors
- ☐ IoT Solution
- ☐ Encoder
- ☐ Variable Frequency Drive
- ☐ Internal Gear Pump

eMobility & EV Infrastructure

- ☐ Integrated Charging System (OBC & DC-DC)
- ☐ Power Electronic Unit (2-in-1, 3-in-1)
- ☐ E-Compressor
- ☐ TV EDU
- ☐ Inverter
- ☐ Construction Machinery Controller
- ☐ Intelligent Active Hydraulic Suspension (i-AHS)
- ☐ Railway A/C Controller
- ☐ Railway VFD
- ☐ Thermal Mgmt. System
- ☐ Light Electric Vehicle Motors, Inverters, and Charging System

Intelligent Equipment

- ☐ Intelligent Welding
- ☐ Electric Submersible-Progressing Cavity Pump
- ☐ Industrial Microwave
- ☐ Polysilicon Water Quenching Equipment
- ☐ Automatic Car Washing Machine
- ☐ Intelligent Lifting Devices

Home Appliance Control Solutions

- ☐ Residential A/C Controller
- ☐ Commercial A/C Controller
- ☐ Heat Pump Controller
- ☐ Vehicle A/C Controller
- ☐ Solar A/C Controller
- ☐ Mini Compressor Controller
- ☐ Refrigerator Controller
- ☐ Washer/Dryer Controller
- ☐ Residential Microwave
- ☐ Industrial Microwave
- ☐ Smart Bidet
- ☐ RF Thawing System

Precision Connection

- ☐ FFC
- ☐ FPC
- ☐ Coaxial Cable
- ☐ CCS
- ☐ Litz Wire
- ☐ Peek Wire

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MEGMEET reserves the right to modify the technical parameters and appearance of the products in this catalogue without prior advice to the users.

FOLLOW US

Q Megmeet



Medical Power Supplies and Battery Packs

Worldwide Leader in Medical Device Power Solutions.



ABOUT MEGMEET

MEGMEET is a comprehensive solution provider for hardware and software R&D, production, sales, and service in the field of electrical automation. With power electronics and automation control at its core, MEGMEET's main businesses include Power Solutions, Industrial Automation, eMobility & EV Infrastructure, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.

MEGMEET is committed to creating a cleaner living environment for all human beings through more efficient energy utilization and improved manufacturing efficiency. MEGMEET aims to become the world leader in electrical automation and achieve the goal of MEGMEET EVERYWHERE.



8,400+
Total Employees



10
R&D Centers



3,000+
R&D Staff



9
Manufacturing Centers



1,990+
No. of Patents & IP Rights



GLOBAL R&D CENTERS

MEGMEET has established R&D centers in Shenzhen, Zhuzhou, Changsha, Xi'an, Wuhan, Hangzhou, Taizhou, Chengdu, USA and Germany.



Shenzhen, China



Changsha, China

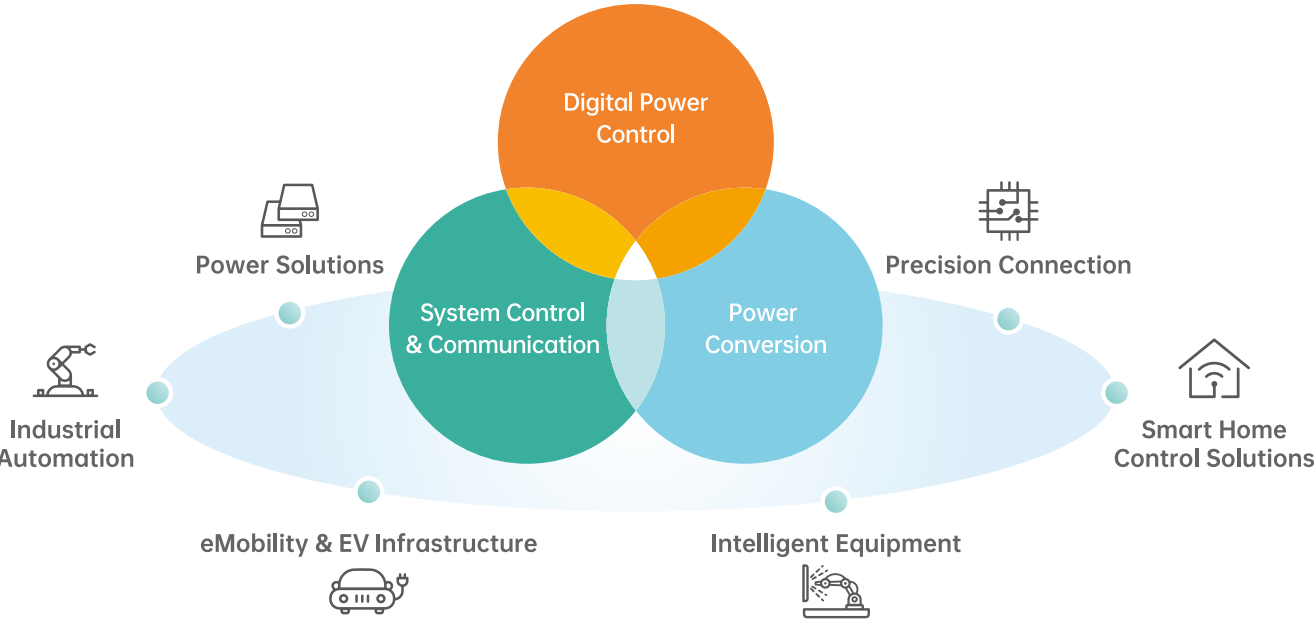


San Jose, USA



Bielefeld, Germany

CORE TECHNOLOGIES



Xi'an, China



Wuhan, China



Zhuzhou, China



Hangzhou, China



Taizhou, China



Chengdu, China

PROFESSIONAL TESTING PLATFORM



Electrical and Electronic Performance Testing



Conducted Emission Testing



Temperature and Humidity Environmental Testing



Burn-in Laboratory



Combustion Testing



Combustion Testing



Surge Testing



Three Comprehensive Test Bench Testing



High-speed Bench Testing

TESTING CAPABILITIES & MANAGEMENT SYSTEM



MEGMEET's testing capabilities and management system have been certified by CNAS, TUV, UL-WTDP, & UL-CTF. MEGMEET's test results are recognized globally.

MEDICAL POWER SUPPLIES

MEGMEET partners with leading medical ODMs/OEMs to provide trusted, reliable power supplies for hospital and home healthcare. Products include external adapters, open frame converters, battery packs and power systems. Customized design service is available as an option. All power supplies are engineered with high-quality components and assembled in an ISO13485 certified state-of-the-art manufacturing center. Over the past 10 years, MEGMEET has shipped more than 10 million medical power supplies to customers worldwide.

CERTIFICATES



ISO13485: 2016



ISO9001: 2015



GB/T24001-2016/ISO14001:2015



IATF16949: 2016

PRODUCTION

Quality system certifications for ISO13485, ISO9001, ISO14001 and ISO16949.



TYPICAL MEDICAL APPLICATIONS



CT



Ventilator



Infusion Pump



CPAP



Patient Monitoring



Medical Alert Device



Ultrasound Machine



Dialysis Equipment



Portable Oxygen Concentrator



AED



EKG Monitoring



Hospital Bed

Medical Color Ultrasound

CUSTOMIZED PSU + 120W ADAPTER+ BATTERY PACK

- Universal AC Input
- Dual power supply system (AC/DC module and lithium battery) for medical device
- Seamless switching between two power sources
- Hot-swappable battery module
- Built-in integrated battery pack charging & discharging circuit
- Complete management system and protection circuit for battery pack
- Low input leakage current to ground
- No oscillation under any load conditions
- No interference to the image



Critical Care Ventilator

CUSTOMIZED PSU

- Hi Rel power supply with redundant DC sources
- Designed for Class III medical device
- Multiple power Input sources
- Utility power with generator backup
- Redundant external battery packs (chemistry independent)
- Sizing output currents for the worst case load condition given multiple load (blower motor) sources
- Recovery features for failing lead acid batteries
- Logic control for power supply status and fault conditions



Hospital Bed

500W CUSTOMIZED PSU

- Worldwide compliance: 4th Edition EMC
- Working altitude is up to 4000 meters, meet the requirements of low leakage current and high reliability of medical power supply
- High power factor (APFC) and soft switch technology design, small size and light weight
- Higher efficiency, higher peak load capacity and superior EMC performance



EXTERNAL
ADAPTERS

- Compact Size with a Power Range from 12 W to 240 W
- Construction - Class I or Class II
- High Efficiency - Level VI
- Safety Approvals: Medical 60601-1
- Compliant: CEC 2008 / ErP2 / EISA 2007
- Emissions: EN55011 / FCC Part 15 Class B
- Warranty: 3 Years

MANGO12SC Series

Dimension : 3 x 1.64 x 1.52"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO12SC-05yyz	5V	2.4A	60mV	±5%
MANGO12SC-075yyz	7.5V	1.6A	100mV	±5%
MANGO12SC-09yyz	9V	1.34A	120mV	±5%
MANGO12SC-12yyz	12V	1.0A	120mV	±5%
MANGO12SC-15yyz	15V	0.8A	150mV	±5%
MANGO12SC-18yyz	18V	0.67A	180mV	±5%
MANGO12SC-24yyz	24V	0.5A	200mV	±5%

MANGO18SC Series

Dimension : 3 x 1.64 x 1.52"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO018SC-05yyz	5V	3.0A	60mV	±5%
MANGO018SC-075yyz	7.5V	2.4A	100mV	±5%
MANGO018SC-09yyz	9V	2.0A	120mV	±5%
MANGO018SC-12yyz	12V	1.5A	120mV	±5%
MANGO018SC-15yyz	15V	1.2A	150mV	±5%
MANGO018SC-18yyz	18V	1.0A	180mV	±5%
MANGO018SC-24yyz	24V	0.75A	200mV	±5%

MANGO24SC Series

Dimension : 3 x 1.64 x 1.52"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO24SC-05yyz	5V	4.0A	60mV	±5%
MANGO24SC-075yyz	7.5V	3.2A	100mV	±5%
MANGO24SC-09yyz	9V	2.67A	120mV	±5%
MANGO24SC-12yyz	12V	2.0A	120mV	±5%
MANGO24SC-15yyz	15V	1.6A	150mV	±5%
MANGO24SC-18yyz	18V	1.33A	180mV	±5%
MANGO24SC-24yyz	24V	1.0A	200mV	±5%

MANGO15W Series

Dimension : 2.32 x 1.61 x 1.0"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO15W-05	5V	2.5A	100mV	±5%
MANGO15W-075	7.5V	2.0A	100mV	±5%
MANGO15W-09	9V	1.66A	120mV	±5%
MANGO15W-12	12V	1.25A	120mV	±5%
MANGO15W-15	15V	1.0A	150mV	±5%
MANGO15W-18	18V	0.83A	180mV	±5%
MANGO15W-24	24V	0.625	240mV	±5%

MANGO18W Series

Dimension : 2.32 x 1.61 x 1.0"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO18W-05	5V	3.0A	100mV	±5%
MANGO18W-075	7.5V	2.4A	100mV	±5%
MANGO18W-09	9V	2.0A	120mV	±5%
MANGO18W-12	12V	1.5A	120mV	±5%
MANGO18W-15	15V	1.2A	150mV	±5%
MANGO18W-18	18V	1.0A	180mV	±5%
MANGO18W-24	24V	0.75A	240mV	±5%

MANGO36W Series

Dimension : 3.13 x 1.67 x 1.14"



Models	Output Voltage	Output Current @ Rated	Voltage Tolerance	Peak Current @1S
MANGO36W-9	9V	3.0A	±5%	4.5A
MANGO36W-12	12V	3.0A	±5%	4.5A
MANGO36W-15	15V	2.4A	±5%	3.6A
MANGO36W-19	19V	1.89A	±5%	2.84A
MANGO36W-24	24V	1.5A	±5%	2.25A

MANGO40S Series

Dimension : 1.95 x 3.78 x 1.18"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO40S-9xy	9V	3.33A	100mV	±5%
MANGO40S-12xy	12V	3.33A	120mV	±5%
MANGO40S-19xy	19V	2.1A	190mV	±5%
MANGO40S-24xy	24V	1.67A	240mV	±5%
MANGO40S-28xy	28V	1.43A	280mV	±5%
MANGO40S-48xy	48V	0.84A	480mV	±5%

MANGO60S Series

Dimension : 4.17 x 2.24 x 1.14"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO60S-12xy	12V	5.0A	120mV	±5%
MANGO60S-19xy	19V	3.15A	190mV	±5%
MANGO60S-24xy	24V	2.5A	240mV	±5%
MANGO60S-28xy	28V	2.14A	280mV	±5%
MANGO60S-48xy	48V	1.25A	480mV	±5%

MANGO60S-USB-
PDX Series

Dimension : 4.2 x 2.2 x 1.1"



Models	AC Output	Output Voltage	Ripple & Noise(Max)	Max Total Regulation
MANGO60S-USB-PDA	C14	5V/9V/10.4V/15V/20V*	150mV pk-pk max	±5%
MANGO60S-USB-PDB	C8	5V/9V/10.4V/15V/20V*	150mV pk-pk max	±5%
MANGO60S-USB-PDC	C18	5V/9V/10.4V/15V/20V*	150mV pk-pk max	±5%

MAP60H Series

Dimension : 4.13 x 1.97x1.14"



Models	Output Voltage	Output Current @Rated	Max Total Regulation	Peak Current
MAP60H-12	12V	5.00A	±5%	8.0A
MAP60H-15	15V	4.00A	±5%	7.0A
MAP60H-19	19V	3.16A	±5%	6.0A
MAP60H-24	24V	2.50A	±5%	5.0A

MDA65 Series

Dimension : 4.5 x 2.15 x 1.12"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MDA65-12	12V	5.41A	120mV	±5%
MDA65-15	15V	4.33A	150mV	±5%
MDA65-19	19V	3.42A	190mV	±5%
MDA65-24	24V	2.70A	240mV	±5%

MANGO65H-PD Series

(Coming soon)

Output Voltage		Output Current @Rated	Max Total Regulation	Ripple & Noise
FPDO	5V	3.0A	±5%	100mV
	9V	3.0A	±5%	100mV
	12V	3.0A	±5%	120mV
	15V	3.0A	±5%	150mV
	20V	3.25A	±5%	200mV
APDO	PPS	3.0A	5-21V	100-200mV

MANGO68H Series

Dimension : 4.13 x 1.97 x 1.14"



Models	Output Voltage	Output Current	Max Total Regulation	Peak Current
MANGO68H-12	12V	5.41A	±5%	8.0A
MANGO68H-15	15V	4.53A	±5%	7.0A
MANGO68H-19	19V	3.58A	±5%	6.0A
MANGO68H-24	24V	2.83A	±5%	5.0A

MAP80H Series

Dimension : 4.13 x 2.2 x 1.12"



Models	Output Voltage	Output Current @Rated	Max Total Regulation	Peak Current@1S
MAP80H-12	12V	6.66A	±5%	10.0A
MAP80H-15	15V	5.33A	±5%	8.0A
MAP80H-19	19V	4.21A	±5%	7.9A
MAP80H-24	24V	3.33A	±5%	7.5A

* High peak power version

MANGO80H Series

Dimension : 4.13 x 2.2 x 1.12"



Models	Output Voltage	Output Current	Peak Current@1S	Max Total Regulation
MANGO80H-12	12V	6.66A	10.0A	±5%
MANGO80H-15	15V	5.33A	8.0A	±5%
MANGO80H-19	19V	4.21A	6.3A	±5%
MANGO80H-24	24V	3.33A	5.0A	±5%

MAP90H Series

Dimension : 4.13 x 2.2 x 1.12"



Models	Output Voltage	Output Current @Rated	Max Total Regulation	Peak Current@1S
MAP90H-19	19V	4.73A	±5%	7.9A
MAP90H-24	24V	3.75A	±5%	7.5A

* High peak power version

MANGO90H Series

Dimension : 4.13 x 2.2 x 1.12"



Models	Output Voltage	Output Current	Max Total Regulation	Peak Current @1S
MANGO90H-19	19V	4.73A	±5%	6.3A
MANGO90H-24	24V	3.75A	±5%	5.0A

MANGO100S Series

Dimension : 5.37 x 2.46 x 1.22"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO100S-12y	12V	8.33A	120mV	±5%
MANGO100S-15y	15V	6.66A	150mV	±5%
MANGO100S-19y	19V	5.20A	190mV	±5%
MANGO100S-24y	24V	4.16A	240mV	±5%
MANGO100S-28y	28V	3.57A	280mV	±5%

MANGO100S-USB-PDX Series

Dimension : 5.57 x 2.46 x 1.22"



Models	AC Output	Output Voltage	Ripple & Noise(Max)	Max Total Regulation
MANGO100S-USB-PDA	C14	5V/9V/12V/15V/20V*	150mV pk-pk max	±5%
MANGO100S-USB-PDB	C8	5V/9V/12V/15V/20V*	150mV pk-pk max	±5%
MANGO100S-USB-PDC	C18	5V/9V/12V/15V/20V*	150mV pk-pk max	±5%

MANGO100H Series

Dimension :4.13×2.20×1.12"



Models	Output Voltage	Output Current @Rated	Max Total Regulation	Peak current@1S
MANGO100H-12	12V	7.5A	±5%	10A
MANGO100H-15	15V	6A	±5%	8A
MANGO100H-19	19V	5.26A	±5%	6.3A
MANGO100H-24	24V	4.16A	±5%	5.0A
MANGO100H-28	28V	3.57A	±5%	4.28A
MANGO100H-36	36V	2.77A	±5%	3.33A

MANGO120S Series

Dimension : 6.02 x 2.43 x 1.28"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO120S-12yyz	12V	10.0A	120mV	±5%
MANGO120S-15yyz	15V	8.0A	150mV	±5%
MANGO120S-19yyz	19V	6.3A	190mV	±5%
MANGO120S-24yyz	24V	5.0A	240mV	±5%
MANGO120S-26yyz	26V	4.6A	260mV	±5%
MANGO120S-28yyz	28V	4.3A	280mV	±5%

MDP120 Series

Dimension : 5.80 x 2.87 x 1.19"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MDP120-19y	19V	6.3A	190mV	±5%
MDP120-24y	24V	5.0A	240mV	±5%

MDP150 Series

Dimension : 5.80 x 2.87 x 1.19"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MDP120-18y	18V	6.6A	180mV	±5%
MDP150-19y	19V	7.90A	190mV	±5%
MDP150-24y	24V	6.25A	240mV	±5%

MANGO150S Series

Dimension : 6.02 x 2.43 x 1.28"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
MANGO150S-12yyz	12V	12.5A	120mV	±5%
MANGO150S-15yyz	15V	10.0A	150mV	±5%
MANGO150S-19yyz	19V	7.9A	190mV	±5%
MANGO150S-24yyz	24V	6.25A	240mV	±5%
MANGO150S-26yyz	26V	5.78A	260mV	±5%
MANGO150S-28yyz	28V	5.36A	280mV	±5%

MANGO180H Series

Dimension : 6.5 × 2.68 × 1.22"



Models	Output Voltage	Output Current	Peak Current @40ms	Peak Current @10s	Max Total Regulation
MANGO180H-12	12V	12.50A	26.0A	20.00A	±5%
MANGO180H-15	15V	11.00A	22.0A	17.00A	±5%
MANGO180H-19	19V	9.47A	18.5A	14.00A	±5%
MANGO180H-24	24V	7.50A	15.0A	11.25A	±5%
MANGO180H-28	28V	6.42A	12.8A	9.64A	±5%
MANGO180H-32	32V	5.62A	11.2A	8.43A	±5%
MANGO180H-36	36V	5.00A	10.0A	7.50A	±5%
MANGO180H-48	48V	3.75A	7.5A	5.62A	±5%

MANGO240H Series

Dimension : 6.81 x 3.05 x 1.33"



Models	Output Voltage	Output Current	Peak Current @10s	Peak Current @40ms	Max Total Regulation
MANGO240H-12	12V	17.50A	25.00A	35.0A	±5%
MANGO240H-15	15V	15.00A	22.00A	30.0A	±5%
MANGO240H-19	19V	12.63A	18.50A	25.0A	±5%
MANGO240H-24	24V	10.00A	15.00A	20.0A	±5%
MANGO240H-28	28V	8.57A	12.85A	17.5A	±5%
MANGO240H-32	32V	7.50A	11.25A	15.0A	±5%
MANGO240H-36	36V	6.66A	10.00A	13.3A	±5%
MANGO240H-48	48V	5.00A	7.50A	10.0A	±5%

OPEN
FRAMES

- Standard form Factors 15W - 1,500 W
- Universal AC Input with Active PFC
- Safety: Medical IEC 60601-1
- Compliant: CEC 2008 / ErP2 / EISA 2007
- Emissions: EN55011 / FCC Part 15 Class B
- Warranty: 3 Years

MP15S Series
Dimension : 1.77 x 2.56 x 0.9"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP15S-05	5V	2.4A	100mV	±3%
MP15S-09	9V	1.66A	120mV	±3%
MP15S-12	12V	1.25A	120mV	±3%
MP15S-15	15V	1.0A	150mV	±3%
MP15S-18	18V	0.83A	180mV	±3%
MP15S-24	24V	0.625A	240mV	±3%
Options for other dimensions are available: 2 x 3 x 0.9 " (MP15SL series), 1.77 x 2.56 x 1.14 " (MP15SP series)				

MP20S Series
Dimension : 1.77 x 2.56 x 0.9 "



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP20S-05	5V	3.0A	100mV	±3%
MP20S-09	9V	2.22A	120mV	±3%
MP20S-12	12V	1.66A	120mV	±3%
MP20S-15	15V	1.33A	150mV	±3%
MP20S-18	18V	1.11A	180mV	±3%
MP20S-24	24V	0.83A	240mV	±3%
Options for other dimensions are available: 2 x 3 x 0.9 " (MP20SL series)), 1.77 x 2.56 x 1.04 " (MP20SP series)				

MP24S Series
Dimension : 1.77 x 2.56 x 0.9"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP24S-05	5V	4.0A	100mV	±3%
MP24S-09	9V	2.33A	120mV	±3%
MP24S-12	12V	2.0A	120mV	±3%
MP24S-15	15V	1.6A	150mV	±3%
MP24S-18	18V	1.33A	180mV	±3%
MP24S-24	24V	1.0A	240mV	±3%
Options for other dimensions are available: 2 x 3 x 0.9" (MP24SL series), 1.77 x 2.56 x 1.14" (MP24SP series)				

MP30S Series
Dimension : 1.5 x 3 x 0.9"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP30S-05	5V	5.0A	60mV	±3%
MP30S-09	9V	3.33A	120mV	±3%
MP30S-12	12V	2.5A	120mV	±3%
MP30S-15	15V	2.0A	150mV	±3%
MP30S-18	18V	1.67A	180mV	±3%
MP30S-24	24V	1.25A	240mV	±3%
Options for other dimensions are available: 2 x 3 x 0.9" (MP30SL series), 1.5 x 3 x 1.06" (MP30SP series)				

MP45S Series
Dimension : 2 x 3 x 0.9"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP45S-05	5V	6.0A	100mV	±3%
MP45S-12	12V	3.75A	120mV	±3%
MP45S-15	15V	3.0A	150mV	±3%
MP45S-18	18V	2.5A	180mV	±3%
MP45S-24	24V	1.875A	240mV	±3%

MP65L Series
Dimension : 2 x 4 x 1"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP65L-08	8V	5.6A	80mV	±3%
MP65L-082	8.2V	5.6A	82mV	±3%
MP65L-09	9V	5.6A	90mV	±3%
MP65L-12	12V	5.41A	120mV	±3%
MP65L-15	15V	4.33A	150mV	±3%
MP65L-18	18V	3.61A	180mV	±3%
MP65L-24	24V	2.71A	240mV	±3%

MP65S Series
Dimension : 2 x 3 x 1"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP65S-12	12V	5.41A	120mV	±3%
MP65S-15	15V	4.33A	150mV	±3%
MP65S-18	18V	3.61A	180mV	±3%
MP65S-24	24V	2.71A	240mV	±3%

MP65H Series

(Coming soon)

Models	Output Voltage	Output Current	Peak Current	Output Over Current	Ripple &Noise (Max)	Voltage Tolerance
MP65H-12	12V	5.42A	6.5A	>6.5A, < 10A	120mV	±3%
MP65H-15	15V	4.33A	5.2A	>5.2A, <8.0A	150mV	±3%
MP65H-19	18V	3.61A	4.33A	>4.3A, <6.8A	180mV	±3%
MP65H-24	24V	2.71A	3.25A	>3.25A, <5.0A	240mV	±3%
MP65H-36	36V	1.81A	2.15A	>2.15A, <3.33A	360mV	±3%
MP65H-48	48V	1.36A	1.63A	>1.63A, <2.5A	480mV	±3%

MP105S Series
Dimension : 2 x 4 x 1"



Models	Output Voltage	Output Current (Convection)	Output Current (Forced Air)	Ripple &Noise (Max)	Voltage Tolerance
MP105S-12	12V	6.7A	7.50A	120mV	±3%
MP105S-15	15V	5.3A	6.7A	150mV	±3%
MP105S-18	18V	4.4A	5.6A	180mV	±3%
MP105S-24	24V	3.3A	4.2A	240mV	±3%

MP130S Series
Dimension : 2 x 3 x 1.03"



Models	Output Voltage	Output Current (Convection)	Output Current (Forced Air)	Ripple &Noise (Max)(Forced Air)	Voltage Tolerance
MP130S-12	12V	8.33A	10.83A	180mV	±3%
MP130S-15	15V	6.66A	8.66A	200mV	±3%
MP130S-18	18V	5.55A	7.22A	200mV	±3%
MP130S-19	19V	5.26A	6.84A	220mV	±3%
MP130S-24	24V	4.16A	5.41A	240mV	±3%
MP130S-28	28V	3.57A	4.64A	280mV	±3%
MP130S-48	48V	2.08A	2.70A	480mV	±3%

Optional base plate : 2.08 x 4.06 x 1.18"

MKP150 Series
Dimension : 4.1 x 2 x 1"



Models	Output Voltage	Output Current	Peak Current	Voltage Tolerance
MKP150-12A	12V	12.5A	16.67A	±3%
MKP150-15A	15V	10.0A	13.33A	±3%
MKP150-18A	18V	8.33A	11.11A	±3%
MKP150-19A	19V	7.89A	10.52A	±3%
MKP150-24A	24V	6.25A	8.33A	±3%

MP250H Series

(Coming soon)

Models	Output Voltage	Output Current (Convection)	Output Current (Forced Air)	Peak Current@40ms Max	Voltage Tolerance
MP250H-12	12V	13.75A(165W)	18.75A(225W)	22.0A	±3%
MP250H-15	15V	12.0A(180W)	15.0A(225W)	18.0A	±3%
MP250H-19	19V	10.0A(190W)	13.15A(250W)	15.0A	±3%
MP250H-24	24V	8.33A(200W)	10.42A(250W)	12.5A	±3%
MP250H-36	36V	5.55A(200W)	6.94A(250W)	8.3A	±3%
MP250H-48	48V	4.16A(200W)	5.21A(250W)	6.25A	±3%

MP260S Series

Dimension : 3 x 5.0 x 1.0"



Models	V1 Output Voltage	V1 Single Output		V1 +v2 Combine Output			
		V1 Output		V1 Output		V2 Output	
		Convection	Forced Air	Forced Air	Forced Air	Output	Regulation
MP260S-12	12V	13.75A (165W)	18.75A (225W)	13.75A (165W)	18.75A (225W)	5V / 2A	±5%
MP260S-15	15V	12.0A (180W)	16.0A (240W)	11.0A (165W)	16.0A (240W)	5V / 2A	±5%
MP260S-18	18V	11.1A (200W)	13.88A (250W)	10.0A (180W)	13.88A (250W)	5V / 2A	±5%
MP260S-19	19V	10.52A (200W)	13.15A (250W)	9.47A (180W)	13.15A (250W)	5V / 2A	±5%
MP260S-24	24V	8.33A (200W)	10.41A (250W)	7.5A (180W)	10.41A (250W)	5V / 2A	±5%
MP260S-28	28V	7.14A (200W)	8.92A (250W)	6.42A (180W)	8.92A (250W)	5V / 2A	±5%
MP260S-36	36V	5.55A (200W)	6.94A (250W)	5.0A (180W)	6.94A (250W)	5V / 2A	±5%
MP260S-48	48V	4.16A (200W)	5.2A (250W)	3.75 (180W)	5.2A (250W)	5V / 2A	±5%

MP300S Series

Dimension : 5 x 3 x 1.5"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP300S-12	12V	25.0A	200mV	±2%
MP300S-15	15V	20.0A	200mV	±2%
MP300S-19	19V	15.8A	280mV	±2%
MP300S-24	24V	12.5A	280mV	±2%
MP300S-28	28V	10.8A	280mV	±2%
MP300S-36	36V	8.33A	480mV	±2%
MP300S-48	48V	6.25A	480mV	±2%

MP360S Series

Dimension : 3 x 5 x 1.2-1.5"



Models	Output Voltage	Output Current (Convection)	Output Current (Forced Air)	Voltage Tolerance
MP360S-12	12V	18.33A	25.00A	±3%
MP360S-15	15V	15.00A	22.00A	±3%
MP360S-19	19V	13.15A	18.95A	±3%
MP360S-24	24V	10.41A	15.00A	±3%
MP360S-28	28V	8.92A	12.85A	±3%
MP360S-32	32V	7.81A	11.25A	±3%
MP360S-36	36V	6.94A	10.00A	±3%
MP360S-48	48V	5.20A	7.50A	±3%

* Meets the leakage current BF and CF requirements

MP400 Series

Dimension : 7 x 3.94 x 1.58"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP400-12	12V	30.0A	120mV	±3%
MP400-15	15V	26.6A	150mV	±3%
MP400-18	18V	22.2A	180mV	±3%
MP400-24	24V	16.67A	240mV	±3%
MP400-28	28V	14.2A	280mV	±3%
MP400-36	36V	11.1A	360mV	±3%
MP400-48	48V	8.33A	480mV	±3%

MP400S Series

Dimension : 3 x 5 x 1.73"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP400S-12	12V	33.33A	200mV	±2%
MP400S-24	24V	16.66A	280mV	±2%
MP400S-48	48V	8.33A	480mV	±2%

MP450S Series

(Coming Soon)

Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP450S-12	12V	37.5A	200mV	±2%
MP450S-19	19V	23.7A	280mV	±2%
MP450S-24	24V	18.75A	280mV	±2%
MP450S-28	28V	16.07A	280mV	±2%
MP450S-36	36V	12.5A	480mV	±2%
MP450S-48	48V	9.38A	480mV	±2%

MP600U Series

Dimension : 6.5 x 3.35 x 1.67"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP600U-12	12V	50.0A	200mV	±2%
MP600U-15	15V	40.0A	200mV	±2%
MP600U-19	19V	31.6A	280mV	±2%
MP600U-24	24V	25.0A	280mV	±2%
MP600U-28	28V	21.4A	280mV	±2%
MP600U-36	36V	16.67A	480mV	±2%
MP600U-48	48V	12.5A	480mV	±2%

* Internal Fan Forced-air Cooling

MP800U Series

Dimension : 6.69 x 3.35 x 1.67"



Models	Output Voltage	Output Current	Ripple & Noise(Max)	Voltage Tolerance
MP800U-24	24V	33.33A	280mV	±2%
MP800U-48	48V	16.67A	480mV	±2%

MP1200 Series

Dimension : 8.2 x 5 x 1.81"



Models	Output Voltage	Output Current	Ripple & Noise(Max)
MP1200-24V	24V	50.0A	240mV
MP1200-36V	36V	33.3A	480mV
MP1200-48V	48V	25.0A	480mV

*Low audible noise power supply *Internal Fan Forced-air Cooling

MP1500 Series

Dimension : 8.19 x 5.12 x 1.81"

(Coming Soon)

Models	Output Voltage	Output Current	Ripple & Noise(Max)
MP1500-24V	24V	62.5A	240mV
MP1500-48V	48V	31.5A	480mV

*Low audible noise power supply *Internal Fan Forced-air Cooling

CUSTOM
POWER
SUPPLY

- Remote on/off,Power OK & DC OK
- Universal AC Input with Active PFC
- Built-in adjustable speed fan refrigeration
- Construction - Class I or Class II
- High Efficiency - Level V or Level VI
- Safety Approvals: Medical 60601-1
- Compliant: CEC 2008 / ErP2 / EISA 2007
- Emissions: EN55011 / FCC Part 15J Class B
- Warranty: 3 Years

750W Power Supply

Dimension : 7.25 x 4.13 x 2.05"



Output Voltage		28V
Output Current	12.5A	
Peak Current	26.8A	

420W Charge

Dimension : 7.5 x 3.31 x 1.89"



Rated Charging Voltage		48V
Rated Charging Current	7A	
Voltage Range	35-54V	
Current Range	0-7A	

1100W Power Supply

Dimension : 7.16 x 5.12 x 1.81"



Output Voltage		25V
Output Current	44A	

* Satisfited type CF classification

3900W Power Supply

Dimension : 15.68 x 8.66 x 3.31"



Input Voltage		176~250Vac (Three Phase Input)
Input range	47~63Hz	
Output Voltage	65Vdc	
Output Current	60A	
Communication	RS-422	

* EN55032: Class A

1400W Power Supply

Dimension : 7.17 x 5.12 x 1.81"



Output Voltage		25V
Output Current	56A	

* Satisfited type CF classification

6000W Power Supply

Dimension : 16.24x7.76x3.31"



Input Voltage		342~451Vac (Three Phase Input)
Input range	47~63Hz	
Output Voltage	48Vdc	
Output Current	125A	
Communication	RS-485	

660W Power Supply
(MultipleOutput)

Dimension : 10.14 x 5.94 x 2.22"



Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
V1: +24V	9A	150mV	±5%
V2: +12V	6A	120mV	±5%
V3: +5V	7A	30mV	±5%
V4: +12V	1.5A	30mV	±5%
V5: - 12 V	1.5A	30mV	±5%
V6: 110Vac	0.1A	—	±5%
V7: +24V	12A	200mV	±5%

1500W Power Supply
(MultipleOutput)

Dimension : 10.98x7.85x2.48"



Output Voltage	Output Current	Ripple & Noise(Max)	Max Total Regulation
V1:+26.4V	22.7A	150mV	±3%
V2:+8.1V	25A	50mV	±3%
V3:18.2V	15A	100mV	±3%
V4:32V	8A	150mV	±3%
V5:15.6V	8A	100mV	±3%

* Input voltage 90Vac-264Vac,Input frequency 47-63Hz .Output power 1500W
* 90Vac-120Vac limited power 1300W output

CUSTOM
POWER
SYSTEM

- Digital Online Real-time Monitoring
- Circuit Level System Integration
- Multiple Output Types
- Configurable Energy Storage Unit, Optional Capacity

6KW Power System



Input Voltage	Input Frequency	Output Power	Output Voltage range
90-264V	47-63Hz	6KW	200-2000VdcAdjustable

4KW Power System



Input Voltage	Input Frequency	Output Power
380-480Vac	47-63Hz	4KW

* Multiple output : 230Vac/3.5KVA inverter output , 24V/500W DC output

2.5KW Power System



Input Voltage	Input Frequency	Output Power
90-528Vac	47-63Hz	2.5KW

* Multiple output : 1.5KVA inverter output , multiple DC output include dualprecision power

Output Voltage			Output Voltage		
D1/D2	23-26V	500W	D5	23-26V	90W
D3	11-13V	20W	D6	23-26V	12W
D4	11-13V	60W	AC	230V	1500W

1500W
Energy Storage System



Battery Voltage	Discharge Power	High Voltage Bus Voltage
48Vdc	1500KW	380Vdc

* 8Ah Lead-acid Cell , DC DC Bidirectional Transformation

CUSTOM
POWER
MODULE

- Support access to 3 battery packs, 2 internal, 1 external
- The capacity of the external battery pack is optional
- If the AC is powered off or lost, the power module output remains uninterrpted
- On-line real-time monitoring of RS232 communication
- Designed for power supply of large medical ultrasound and diagnostic system

1.2KW Power Module



Output Current	
5V_Stby : 3A	Battery1 : 72WHr
24V : 25A	Battery2 : 72WHr
24V : 8.3A	Battery3 : Optional
12V : 8.3A	
ATX:3.3V/16A ; 5V/15A ; 12V/50A ; -12V/0.5A	

Input Voltage	Input Frequency	Output Power
90-300Vac	47-63Hz	1200W

BATTERY
PACKS

- Custom and Standard Smart Batteries
- Large Battery Capacity
- Low Power Consumption, Strong Load Capacity
- Overcharge Protection / Overdischarge Protection / Overcurrent Protection/short Circuit Protection / Over-temperature Protection

M3S2P
Standard Pack



Technical Parameter	
Configuration	3S2P
Cell Capacity	3400mAh/18650
Pack Capacity	72.36Wh
Rated Capacity	6.7Ah
Nominal Voltage	10.8V
Maximum Voltage	12.6V
Communication	SMBUS

M4S1P
Standard Pack



Technical Parameter	
Configuration	4S1P
Cell Capacity	3400mAh/18650
Pack Capacity	47.52Wh
Rated Capacity	3.3Ah
Nominal Voltage	14.4V
Maximum Voltage	16.8V
Communication	SMBUS

M4S2P
Standard Pack



Technical Parameter	
Configuration	4S2P
Cell Capacity	3400mAh/18650
Pack Capacity	95.04Wh
Rated Capacity	6.6Ah
Nominal Voltage	14.4V
Maximum Voltage	16.8V
Communication	SMBUS

M1S1P3V3



Technical Parameter	
Configuration	1S1P
Cell Capacity	2900mAh/18650
Pack Capacity	10.44Wh
Nominal Voltage	3.6V
Maximum Voltage	4.2V
Communication	I2C

M2S1P7226



Technical Parameter	
Configuration	2S1P
Cell Capacity	2600mAh/18650
Pack Capacity	18.72Wh
Rated Capacity	2.6Ah
Nominal Voltage	7.2V
Maximum Voltage	8.4V
Communication	SMBUS

M4S1P14429



Technical Parameter	
Configuration	4S1P
Cell Capacity	3000mAh/18650
Pack Capacity	41.76Wh
Rated Capacity	2900mAh
Nominal Voltage	14.4V
Communication	SMBUS

M6S1P22V3



Technical Parameter	
Configuration	6S1P
Cell Capacity	3000mAh/18650
Pack Capacity	62.64Wh
Rated Capacity	2.9Ah
Nominal Voltage	21.6V
Communication	SMBUS

M15S1P48V20



Technical Parameter	
Configuration	15S1P
Cell Capacity	20Ah/LiFeP04
Pack Capacity	960Wh
Rated Capacity	20.0Ah
Nominal Voltage	48V
Communication	RS485

OXYGEN
GENERATOR
TOTAL
SOLUTION

- Oil-free scroll air compressor, featuring high speed, large exhaust volume, compact size, lightweight, low noise and vibration.
- Motor with Field-Oriented Control (FOC) drive, characterized by sinusoidal current waveform and stable rotational speed.
- Oxygen flow frequency conversion regulation for energy saving and high efficiency.
- Dynamic compensation of oxygen concentration.

1L Oxygen
Concentrator
Critical Components



(Coming Soon)

Variable Frequency Drive						
Input voltage range	Rated input voltage	Rated output power	Rated output current	Peak power	Speed range	Auxiliary source
10-28V	24V	65W	2.5A	80W	500-4500	12V/1A

Oil-free Scroll Air Compressor					
Rated Speed	Pressure	Flow	Inverter Input Power	Sound @1m	Vibration Severity
3000 rpm	1.5bar	15 L/min	65W	45dB(A)	≤7.1mm/s



M4S2P Standard Pack						
Cell Capacity	Pack Capacity	Rated Capacity	Nominal Voltage	Nominal Voltage	Maximum Voltage	Communication
4S2P	3400mAh/18650	95.04Wh	6.6Ah	14.4V	16.8V	SMBUS



External Adapter MANGO90H Series				
Models	Output Voltage	Output Current	Peak Current@1S	Max Total Regulation
MANGO90H-19	19V	4.73A	6.3A	±5%
MANGO90H-24	24V	3.75A	5.0A	±5%



DC Car Cable				
Product Category	Input Voltage	Output Current	Maximum Power	Input Interface
DC Car Cable	12V/24V	5A	120W	Cigarette Lighter

5L Oxygen
Concentrator
Critical Components



Variable Frequency Drive						
Input voltage range	Rated input voltage	Rated output power	Rated output current	Peak power	Speed range	Auxiliary source
90-264V	220V	250W	1.5A	350W	500-4500	12V/4A

Oil-free Scroll Air Compressor					
Rated Speed	Pressure	Flow	Inverter Input Power	Sound @1m	Vibration Severity
2800 rpm	1.5bar	65 L/min	250W	50dB(A)	≤7.1mm/s

10L Oxygen
Concentrator
Critical Components

(Coming Soon)

Variable Frequency Drive						
Input voltage range	Rated input voltage	Rated output power	Rated output current	Peak power	Speed range	Auxiliary source
90-264V	220V	600W	3A	700W	500-4500	12V/4A

Oil-free Scroll Air Compressor					
Rated Speed	Pressure	Flow	Inverter Input Power	Sound @1m	Vibration Severity
2500 rpm	1.5bar	140 L/min	600W	55dB(A)	≤7.1mm/s