

Power Solutions

- Telecom Power
- Server Power
- Electric Power
- Medical Power
- Display Power
- LED Power
- Laser Power
- OA Power
- Flat Panel Power
- Bi-directional Inverters for Portable Power Stations
- Solar & RESS Solution

Industry Automation

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

eMobility & EV Infrastructure

- Multiplexed EV Charging System(OBC & DC-DC)
- Power Electronic Unit(2-in-1, 3-in-1)
- E-Compressor
- TV EDU
- Motor Control Unit
- Construction Machinery Controller
- Intelligent Active Hydraulic Suspension (i-AHS)
- Railway A/C Controller
- Railway VFD
- Light Electric Vehicle Controller
- Thermal Mgmt. System
- EV Charging Solution

Intelligent Equipment

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

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

SHENZHEN MEGMEET ELECTRICAL CO., LTD.

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Add 2: 34th Floor, High-tech Zone Union Tower, No.63 Xuefu Road, Nanshan District, Shenzhen, 518057, China

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Residential Energy Storage System Solutions

Relying on more than 20 years of technological accumulation in the power supply industry, Megmeet provides the Residential Energy Storage Solutions with high efficiency, high power density and high reliability for the renewable energy storage customers.

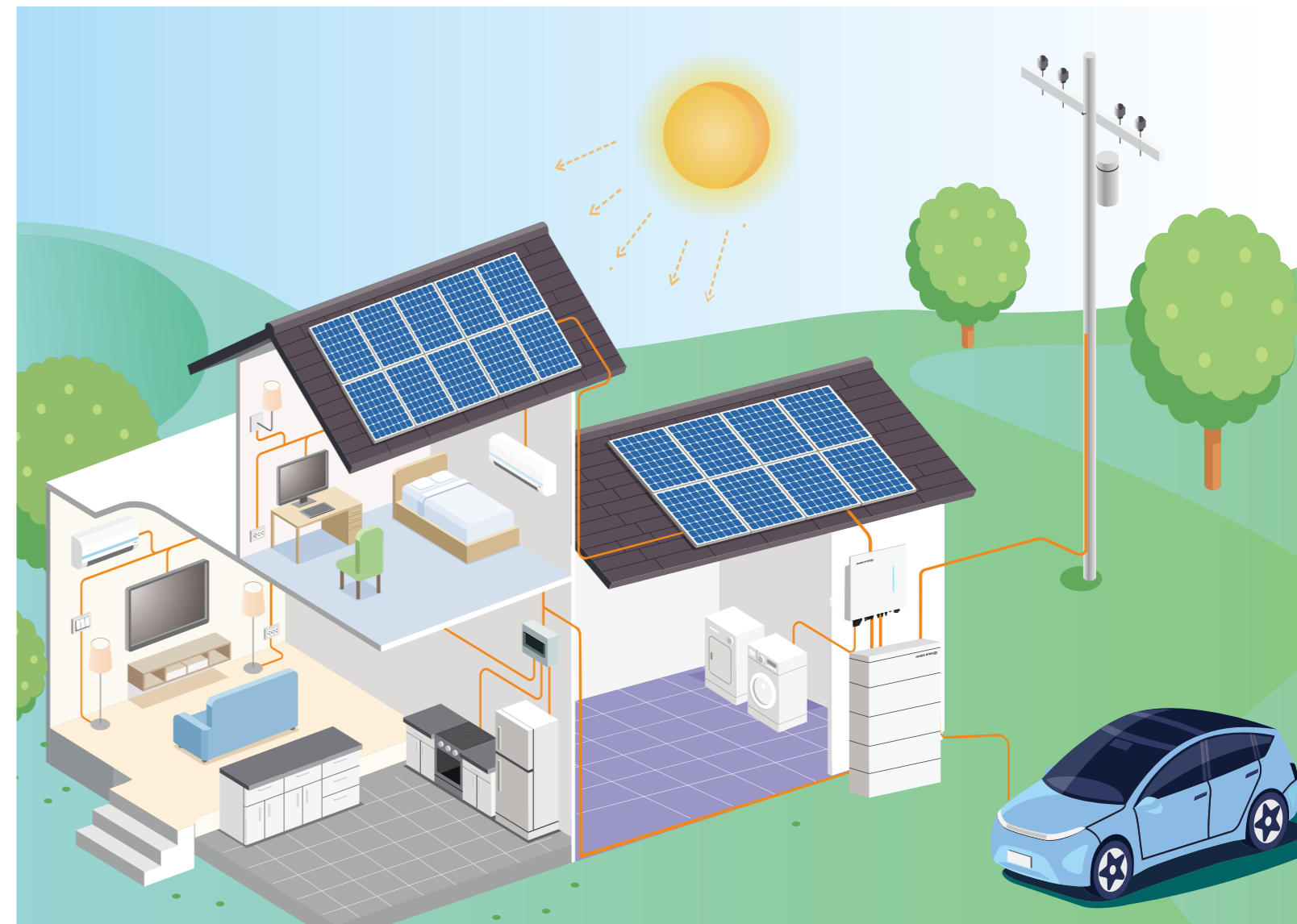


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About Megmeet

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 business includes Power Solutions, Industrial Automation, Mobility & EV Infrastructure, Intelligent Equipment, Home Appliance Control Solutions, and Precision Connection.


MEGMEET has established a robust R&D, manufacturing, marketing, and service platform, with over 13,000 employees including more than 2,990 R&D staff worldwide. MEGMEET's global presence includes R&D Centers in China, the United States and Germany, Manufacturing Centers in Thailand, India, the United States, and China, and Regional Offices across North America, South America, Europe, Central Asia, Northeast Asia, Southeast Asia, India, the Middle East, Oceania and Africa.

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.



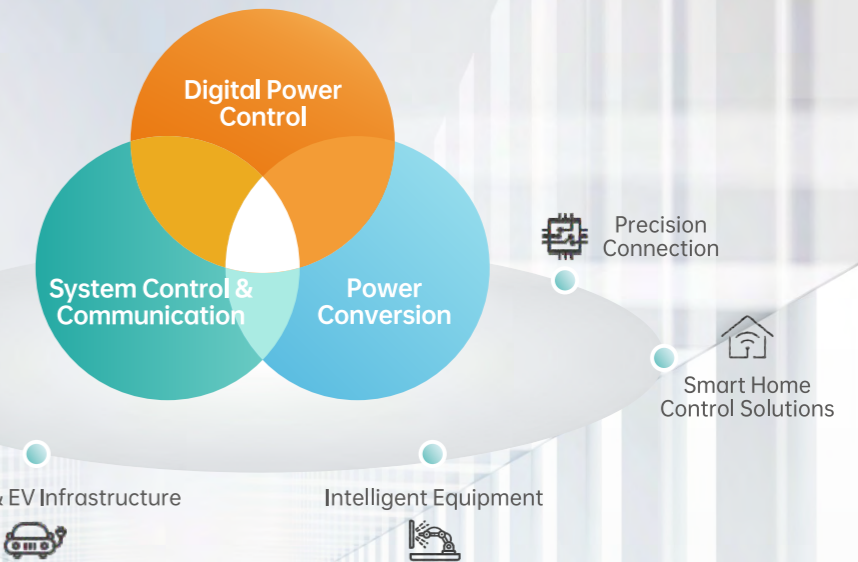
 **10**
R & D Center

 **9**
Production base

 **2990+**
R & D personnel

 **13,000+**
Number of employees





 **1990+**
Patents






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  Xi'an, China



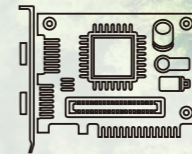
 Taizhou, China  Zhuzhou, China  Wuhan, China



 Bielefeld, Germany  Hangzhou, China  Chengdu, China



300W-5000W Bi-directional Inverter



- 300W 3.2Vdc-220Vac All-in-one Inverter
- 500W 3.2Vdc-220Vac All-in-one Inverter
- 1200W 6.4Vdc-220Vac All-in-one Inverter
- 300W Bi-Directional Inverter
- 600W Bi-Directional Inverter
- 800W Bi-Directional Inverter
- 1000W-1200W Bi-Directional Inverter
- 1800W-2200W Bi-Directional Inverter
- 1800W-2400W Bi-Directional Inverter
- 3600W Bi-Directional Inverter
- 5000W Bi-Directional Inverter

300W 3.2Vdc-220Vac All-in-one Inverter

Special for single cell battery

EMC

Class B passed

200W

Built-in MPPT

1KWh

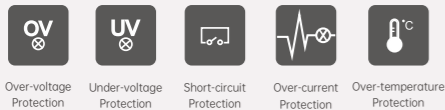
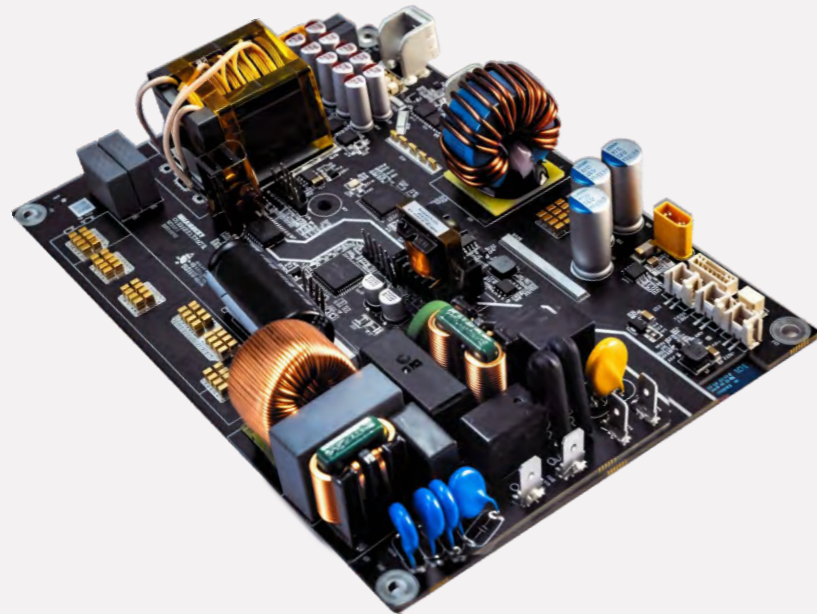
Single battery cell

300W

AC Output



3.2V 314Ah
Single cell



Features

- EMC Class B passed
- 200W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA Supported
- 1S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load

Technical Parameters

Model	MGI032MG1H	MGI032YJ1H	MGI032MG1L	MGI032YJ1L
AC Output				
Rated AC output voltage	230Vac		110Vac	
AC output voltage range	220~240Vac		100~120Vac	
Rated AC output power	300W		300W	
Max. over-load power	600W		600W	
AC output frequency	50/60Hz		50/60Hz	
AC output efficiency	85%		84%	85%
AC output waveform	Pure sine wave		Pure sine wave	
AC output constant power mode	315VA		315VA	
Battery charge/discharge				
Battery series count	1S 314Ah LiFePO ₄		1S 314Ah LiFePO ₄	
Rated voltage	3.2V		3.2V	
Voltage range	2.5-3.65V		2.5-3.65V	
Charge current range	120±10A		120±10A	
Trickle charge	15.0±1A		5.0±0.5A	15.0±1A
DC output efficiency	≥86%		≥86%	
AC Input				
Rated AC input voltage	230Vac		110Vac	
AC input voltage range	90~280Vac		85~135Vac	
Rated AC input current	3A		6A	
Max. AC input power	350W		300W	
AC input frequency	45~65Hz		45~65Hz	
Power factor	≥0.98		≥0.98	
PV Input/DC Input				
Max. PV/DC input power		220W		
PV/DC input voltage range		12-60Vdc		
Max. PV/DC input current		181A		
PV/DC input channels		1 channel		
Features				
No-load power consumption		≤15W		
UPS transfer time		10ms		
EMC Standard		EN55032, Part 15 Class A		
Protection		All input & output protection functions included		
Operating temperature		-10°C to +40°C.		
Storage temperature		-20°C to +70°C.		
Cooling method		Forced air cooling required		
Communication mode		TTL, Bluetooth, Wifi		
Dimensions		180.2x145x50mm		
Weight		0.6kg		

*The above are for reference only; the specification sheets shall prevail.

500W 3.2Vdc-220Vac All-in-one Inverter

Special for single cell battery

EMC

Class A passed

500W

Built-in MPPT

1KWh

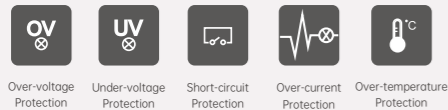
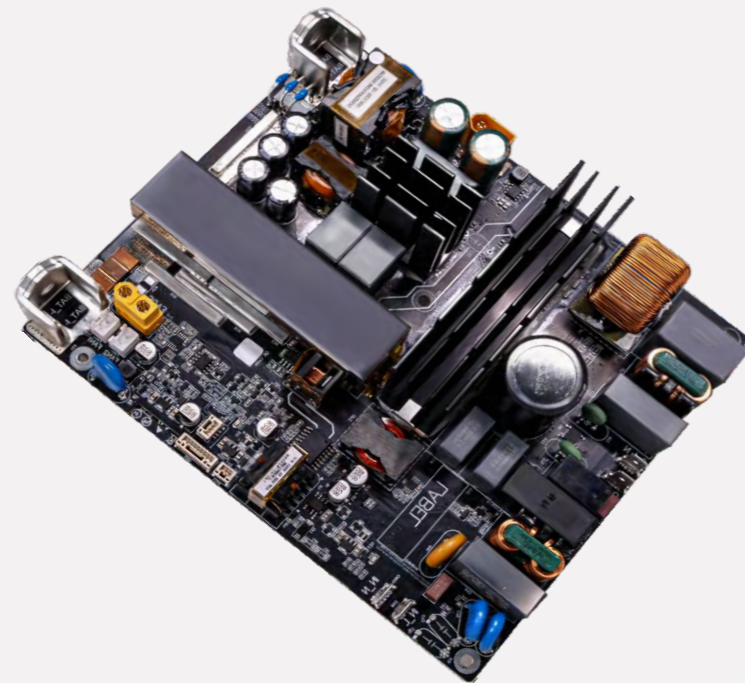
Single battery cell

500W

AC Output



3.2V 314Ah
Single cell



Features

- EMC Class A passed
- 500W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA Supported
- 1S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load

Technical Parameters

Model	MGI055MG1H
AC Output	
Rated AC output voltage	230Vac
AC output voltage range	220~240Vac
Rated AC output power	500W
Max. over-load power	1000W
AC output frequency	50/60Hz
AC output efficiency	85%
AC output waveform	Pure sine wave
AC output constant power mode	525VA
Battery charge/discharge	
Battery series count	1S 314Ah LiFePO ₄
Rated voltage	3.2V
Voltage range	2.5-3.65V
Charge current range	240±10A
Trickle charge	15.0±1A
DC output efficiency	≥86%
AC Input	
Rated AC input voltage	230Vac
AC input voltage range	220~240 Vac
Rated AC input current	5A
Max. AC input power	500W
AC input frequency	45~65Hz
Power factor	≥0.98
PV Input/DC Input	
Max. PV/DC input power	500W
PV/DC input voltage range	12-60Vdc
Max. PV/DC input current	18A
PV/DC input channels	1 channel
Features	
No-load power consumption	≤15W
UPS transfer time	10ms
EMC Standard	EN55032, Part 15 Class A
Protection	All input & output protection functions included
Operating temperature	-10°C to +40°C.
Storage temperature	-20°C to +70°C
Cooling method	Forced air cooling required
Communication mode	RS485, Bluetooth, Wifi
Dimensions	175.2x150.2x50mm
Weight	0.85 kg

*The above are for reference only; the specification sheets shall prevail.

1200W 6.4Vdc-220Vac All-in-one Inverter

Special for single cell battery

EMC

Class A passed

600W

Built-in MPPT

2kWh

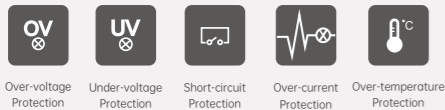
2S1P 314Ah battery

90-280Vac

wider input voltage range



3.2V 314Ah
Single cell



Features

- EMC Class A passed
- 600W MPPT
- UPS transfer time:10ms (typical value)
- Industry-leading high power density
- OTA supported
- 2S1P LiFePO₄
- 90~280V wider input voltage range
- 120V/230V output voltage

Technical Parameters

Model	MGI106MG2H
AC Output	
Rated AC output voltage	230Vac
AC output voltage range	220~240Vac
Rated AC output power	1200W
Max. over-load power	2400W
AC output frequency	50/60Hz
AC output efficiency	90%
AC output waveform	Pure sine wave
AC output constant power mode	1250VA
Battery charge/discharge	
Battery series count	2S 314Ah LiFePO ₄
Rated voltage	6.4V
Voltage range	5.0-7.3V
Charge current range	183-267A
Trickle charge	15.0±5A
DC output efficiency	≥90%
AC Input	
Rated AC input voltage	230Vac
AC input voltage range	90~280Vac
Rated AC input current	10A
Max. AC input power	1200w
AC input frequency	45~65Hz
Power factor	≥0.98
PV Input/DC Input	
Max. PV/DC input power	600W
PV/DC input voltage range	12-60Vdc
Max. PV/DC input current	20A
PV/DC input channels	1 channel
Features	
No-load power consumption	≤15W
UPS transfer time	10ms
EMC Standard	EN55032, Part 15 Class A
Protection	All input & output protection functions included
Operating temperature	-10°C to +40°C.
Storage temperature	-20°C to +70°C
Cooling method	Forced air cooling required
Communication mode	RS485, Bluetooth, Wifi
Dimensions	216.5x191x45mm
Weight	1kg

*The above are for reference only; the specification sheets shall prevail.

300W Bi-Directional Inverter

EMC

Class B passed

200W

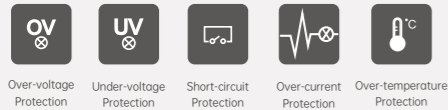
Built-in MPPT

10ms

EPS Switchover Time



Fan forced cooling



Features

- EMC Class B passed
- 200W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- 4S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI032MG4H	MGI032MG4L
AC Output		
Rated AC output voltage	230Vac	110Vac
AC output voltage range	220~240Vac	100~120Vac
Rated AC output power	300W	300W
Max. over-load power	600W	600W
AC output frequency	50/60Hz	50/60Hz
AC output efficiency	89%	90%
AC output waveform	Pure sine wave	Pure sine wave
AC output constant power mode	315VA	320VA
Battery charge/discharge		
Battery series count	4S LiFePO ₄ pack	
Rated voltage	12.8V	
Voltage range	10-14.6V	
Charge current range	35±2A	
Trickle charge	2.0±1A	
DC output efficiency	≥89%	
AC Input		
Rated AC input voltage	230Vac	110Vac
AC input voltage range	176~264Vac	176~264Vac
Rated AC input current	2.6A	2.6A
Max. AC input power	300W	300W
AC input frequency	45~65Hz	45~65Hz
Power factor	≥0.98	≥0.98
PV Input/DC Input		
Max. PV/DC input power	240W	
PV/DC input voltage range	12-60Vdc	
Max. PV/DC input current	12A	
Features		
No-load power consumption	≤15W	
UPS transfer time	10ms	
EMC Standard	FCC, Part 15 Class B; EN55032, Class B	
Operating temperature	-10°C to +40°C	
Storage temperature	-20°C to +70°C	
Cooling method	Forced air cooling required	
Communication mode	RS485	
Dimensions	163x103x45mm	
Weight	0.51kg	

*The above are for reference only; the specification sheets shall prevail.

600W Bi-Directional Inverter

EMC

Class B passed

200W

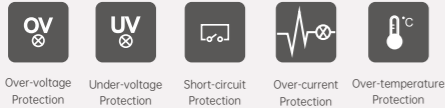
Built-in MPPT

10ms

EPS Switchover Time



Fan forced cooling



Features

- EMC Class B passed
- 200W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- 7S/8S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C ~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI062MG7H	MGI062MG7L	MGI062MG8H	MGI062MG8L
AC Output				
Rated AC output voltage	230Vac	110Vac	230Vac	120Vac
AC output voltage range	220 ~ 240Vac	100~120Vac	220 ~ 240Vac	100~120Vac
Rated AC output power	600W	600W	600W	600W
Max. over-load power	1200W	1200W	1200W	1200W
AC output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC output efficiency	90%	90%	91%	89%
AC output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
AC output constant power mode	600VA	630VA	660VA	670VA
Battery charge/discharge				
Battery series count	7S LiFePO ₄ , pack		8S LiFePO ₄ , pack	
Rated voltage	22.4V		25.6V	
Voltage range	17.5-25.5V		20-29.2V	
Charge current range	36±2A		36±2A	
Trickle charge	2.0±1A		2.0±1A	
DC output efficiency	≥89%		≥90%	
AC Input				
Rated AC input voltage	230Vac	110Vac	230Vac	120Vac
AC input voltage range	176~264Vac	85~135Vac	176~264Vac	85~135Vac
Rated AC input current	2.6A	6A	6A	11.67A
Max. AC input power	600W	600W	600W	600W
AC input frequency	45~65Hz	45~65Hz	45~65Hz	45~65Hz
Power factor	≥0.98	≥0.98	≥0.98	≥0.98
PV Input/DC Input				
Max. PV/DC input power	240W	240W	200W	240W
PV/DC input voltage range	12-60Vdc	12-60Vdc	12-30Vdc	12-60Vdc
Max. PV/DC input current	12A	12A	8A	12A
Features				
No-load power consumption	≤12W	≤12W	≤15W	≤12W
UPS transfer time	10ms	10ms	12ms	10ms
EMC Standard	FCC, Part 15 Class B; EN55032, Class B	FCC, Part 15 Class B; EN55032, Class B	FCC, Part 15 Class B; EN55032, Class B	FCC, Part 15 Class B; EN55032, Class B
Operating temperature	-10°C to +40°C	-10°C to +40°C.	-10°C to +40°C	-10°C to +40°C
Storage temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C.	-20°C to +70°C
Cooling method	Forced air cooling required			
Communication mode	RS485			
Dimensions	163x103x45mm	163x103x45mm	187x133x45mm	163x103x45mm
Weight	0.51kg	0.51kg	0.51kg	0.51kg

*The above are for reference only; the specification sheets shall prevail.

800W Bi-Directional Inverter

EMC

Class B passed

200W

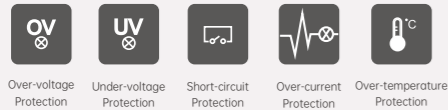
Built-in MPPT

10ms

EPS Switchover Time



Fan forced cooling



Features

- EMC Class B passed
- 200W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- 8S /13S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C ~40°C at full load
- Communication: RS485

Technical Parameters

Model	MG1082MG8L	MG1082MGDL
AC Output		
Rated AC output voltage	120Vac	
AC output voltage range	100-120Vac	
Rated AC output power	800W	
Max. over-load power	1600W	
AC output frequency	50/60Hz	
AC output efficiency	89%	
AC output waveform	Pure sine wave	
AC output constant power mode	840VA	
Battery charge/discharge		
Battery series count	8S LiFePO ₄ pack	13S LiFePO ₄ pack
Rated voltage	25.6V	41.6V
Voltage range	20-29.2V	32.5-48.1V
Charge current range	29±2A	17±2A
Trickle charge	2.0±1A	2.0±1A
DC output efficiency	≥89%	≥89%
AC Input		
Rated AC input voltage	120Vac	
AC input voltage range	85-135Vac	
Rated AC input current	11.67A	
Max. AC input power	600W	
AC input frequency	45-65Hz	
Power factor	≥0.98	
PV Input/DC Input		
Max. PV/DC input power	240W	
PV/DC input voltage range	12-60Vdc	
Max. PV/DC input current	9.5A	
Features		
No-load power consumption	≤10W	
UPS transfer time	10ms	
EMC Standard	FCC, Part 15 Class B; EN55032, Class B	
Operating temperature	-10°C to +40°C	
Storage temperature	-20°C to +70°C	
Cooling method	Forced air cooling required	
Communication mode	RS485	
Dimensions	163x103x45mm	
Weight	0.51kg	

*The above are for reference only; the specification sheets shall prevail.

1000W-1200W Bi-Directional Inverter

EMC

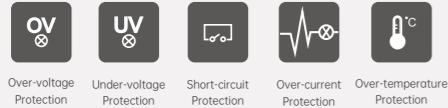
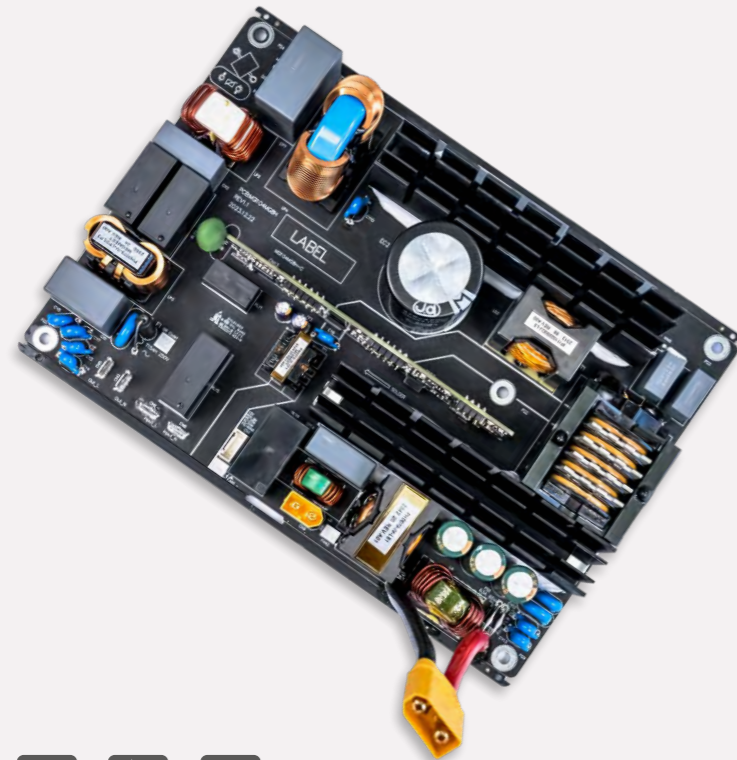
Class B passed

400W

Built-in MPPT

10ms

EPS Switchover Time



Features

- EMC Class B passed
- 400W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- 8S/16S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI124MGGH	MGI124MGGL	MGI124XJH8H	MGI126XJH8L	MGI126DP7L
AC Output					
Rated AC output voltage	230Vac	110Vac	230Vac	110Vac	110Vac
AC output voltage range	220 ~ 240Vac	100~120Vac	220 ~ 240Vac	100~120Vac	100~120Vac
Rated AC output power	1200W				
Max. over-load power	2400W				
AC output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC output efficiency	93%	91%	92%	90%	90%
AC output waveform	Pure sine wave				
AC output constant power mode	1260VA				
Battery charge/discharge					
Battery series count	16S LiFePO ₄ pack	16S LiFePO ₄ pack	8S LiFePO ₄ pack	8S LiFePO ₄ pack	7S LiFePO ₄ pack
Rated voltage	51.2V	51.2V	25.6V	25.6V	22.4V
Voltage range	40.0-58.4V	40.0-58.4V	20-29.2V	20-29.2V	18-25.5V
Charge current range	36±2A	36±2A	72±5A	72±5A	82±5A
Trickle charge	2.0±1A	2.0±1A	2.0±1A	2.0±1A	2.0±1A
DC output efficiency	≥93%	≥91%	≥92%	≥90%	≥90%
AC Input					
Rated AC input voltage	230Vac	110Vac	230Vac	110Vac	110Vac
AC input voltage range	176~264Vac	85~135Vac	176~264Vac	85~135Vac	85~135Vac
Rated AC input current	10A	15A	10A	15A	15A
Max. AC input power	1000W				
AC input frequency	45~65Hz				
Power factor	≥0.98				
PV Input/DC Input					
Max. PV/DC input power	400W	400W	400W	600W	600W
PV/DC input voltage range	12-60Vdc	12-60Vdc	12-60Vdc	12-60Vdc	12-60Vdc
Max. PV/DC input current	20A	20A	20A	20A	20A
Features					
No-load power consumption	≤25W				
UPS transfer time	12ms				
EMC Standard	EN55032, Class B				
Operating temperature	-10°C to +40°C				
Storage temperature	-20°C to +70°C				
Cooling method	Forced air cooling required				
Communication mode	RS485				
Dimensions	225x150x45mm				
Weight	1.3kg				

*The above are for reference only; the specification sheets shall prevail.

1800W-2200W Bi-Directional Inverter

EMC

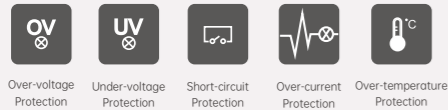
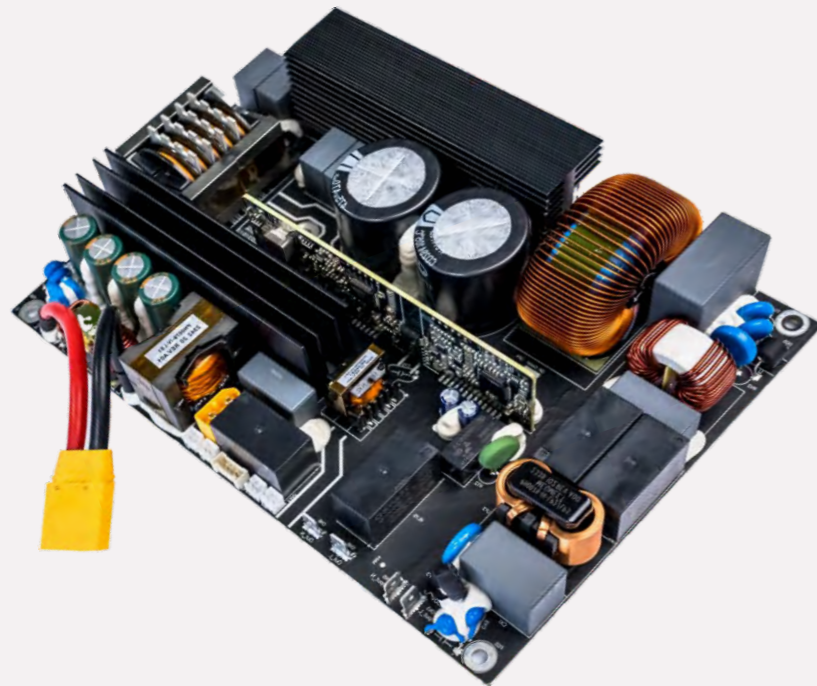
Class B passed

800W

Built-in MPPT

10ms

EPS Switchover Time



Features

- EMC Class B passed
- 800W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- 8S/16S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI224MGGH	MGI224MGGL	MGI228MG8H	MGI228MG8L
AC Output				
Rated AC output voltage	230Vac	110Vac	230Vac	110Vac
AC output voltage range	220 ~ 240Vac	100~120Vac	220~240Vac	100~120Vac
Rated AC output power	2200w	2200w	2200w	2200w
Max. over-load power	4400W	4400W	4400W	4400W
AC output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC output efficiency	93%	90%	92%	90%
AC output waveform	Pure sine wave			
AC output constant power mode	2310VA			
Battery charge/discharge				
Battery series count	16S LiFePO ₄ pack		8S LiFePO ₄ pack	
Rated voltage	51.2V		25.6V	
Voltage range	40.0-58.4V		20-29.2V	
Charge current range	54±2A		108±5A	
Trickle charge	2.0±1A		2.0±1A	
DC output efficiency	≥93%		≥93%	
AC Input				
Rated AC input voltage	230Vac	110 Vac	230Vac	110Vac
AC input voltage range	176~264Vac	85~135Vac	176~264Vac	85~135Vac
Rated AC input current	10A	15A	10A	15A
Max. AC input power	1500w	1500w	1500w	1500w
AC input frequency	45~65Hz	45~65Hz	45.0~65.0Hz	45~65Hz
Power factor	≥0.98	≥0.98	≥0.98	≥0.98
PV Input/DC Input				
Max. PV/DC input power	800W			
PV/DC input voltage range	12-60Vdc			
Max. PV/DC input current	20A			
Features				
No-load power consumption	≤25W	≤25W	≤25W	≤25W
UPS transfer time	12ms	10ms	10ms	10ms
EMC Standard	EN55032, Class B	EN55032, Class B	EN55032, Class B	EN55032, Class B
Operating temperature	-10°C to +40°C			
Storage temperature	-20°C to +70°C			
Cooling method	Forced air cooling required			
Communication mode	RS485			
Dimensions	225x150x45mm			
Weight	1.65kg×4PCS			

*The above are for reference only; the specification sheets shall prevail.

1800W-2400W Bi-Directional Inverter

EMC

Class B passed

800W

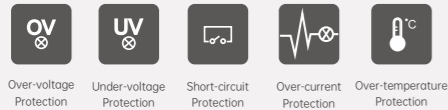
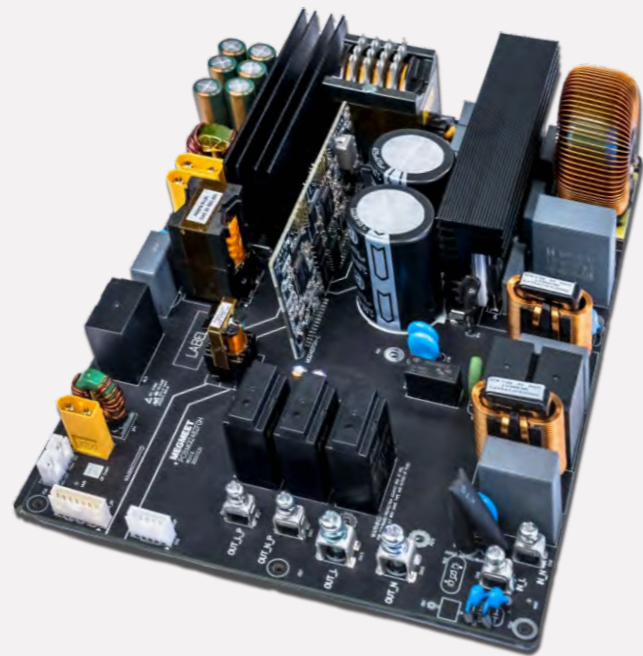
Built-in MPPT

10ms

EPS Switchover Time

Connection

Built-in parallel/on-grid function



Features

- EMC Class B passed
- 800W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- Expandability supported
- 16S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI248MGGH	MGI248ZFGI-RT	MGI308DPGH	MGI308DPGL
AC Output				
Rated AC output voltage	230Vac	110Vac	230Vac	110Vac
AC output voltage range	220 ~ 240Vac	100~120Vac	220~240Vac	100~120Vac
Rated AC output power	2400W	2400W	3000W	3000W
Max. over-load power	4800W	4800W	6000W	6000W
AC output frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
AC output efficiency	92%	90%	93%	89%
AC output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
AC output constant power mode	2520VA	2520VA	2520VA	2520VA
Battery charge/discharge				
Battery series count	16S LiFePO ₄ pack			
Rated voltage	51.2V			
Voltage range	40.0~58.4V			
Charge current range	54±2A			
Trickle charge	2.0±1.0A			
DC output efficiency	≥93%			
AC Input				
Rated AC input voltage	230Vac	110 Vac	230Vac	110Vac
AC input voltage range	176~264Vac	85~135Vac	176~264Vac	85~135Vac
Rated AC input current	10A	15A	10A	15A
Max. AC input power	1800W	1800W	1800W	1800W
AC input frequency	45~65Hz	45~65Hz	45.0~65.0Hz	45~65Hz
Power factor	≥0.98	≥0.98	≥0.98	≥0.98
PV Input/DC Input				
Max. PV/DC input power	800W		1200W	
PV/DC input voltage range	12~60Vdc		12~60Vdc	
Max. PV/DC input current	20A		25A	
Features				
No-load power consumption	≤25W	≤25W	≤25W	≤25W
UPS transfer time	9ms	9ms	9ms	9ms
EMC Standard	EN55032, Class B	EN55032, Class B	EN55032, Class B	EN55032, Class B
Operating temperature	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C	-10°C to +40°C
Storage temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Cooling method	Fan forced cooling	Fan forced cooling	Fan forced cooling	Fan forced cooling
Communication mode	RS485	RS485	RS485	RS485
Dimensions	278x188x60mm	278x188x60mm	278x188x60mm	278x188x60mm
Weight	1.9kg	1.9kg	1.9kg	1.83kg
Parallel Function	Supported	Supported	/	/

*The above are for reference only; the specification sheets shall prevail.

3600W Bi-Directional Inverter

EMC

Class B passed

1600W

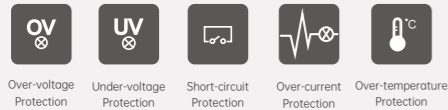
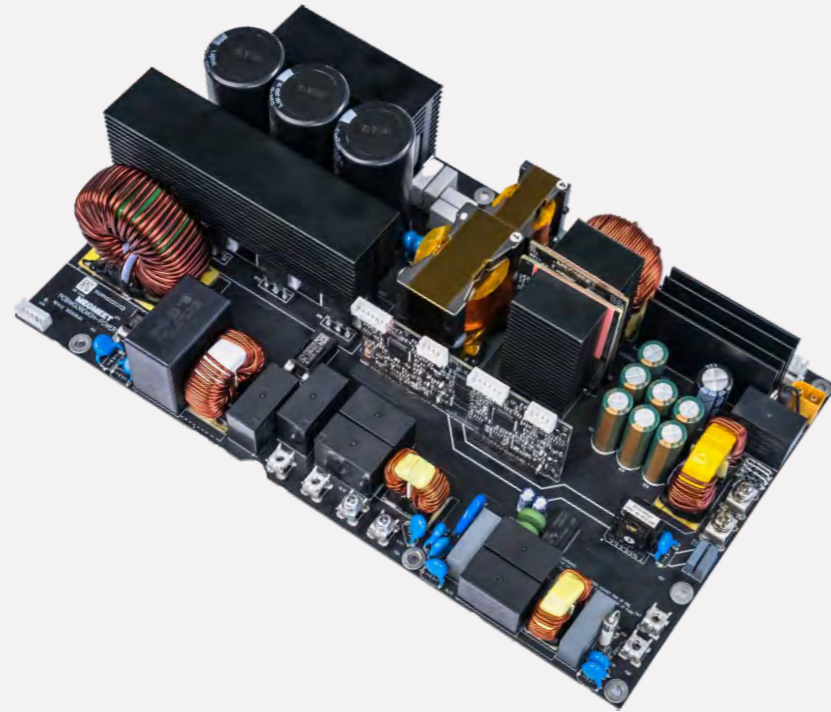
Built-in MPPT

10ms

EPS Switchover Time

Connection

Built-in parallel/on-grid function



Features

- EMC Class B passed
- 1600W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- Grid connection & Expandability supported
- 16S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

Technical Parameters

Model	MGI36EMGGH	MGI36EMGGL
AC Output		
Rated AC output voltage	230Vac	110Vac
AC output voltage range	220~240Vac	100~120Vac
Rated AC output power	3600W	3600W
Max. over-load power	7200W	7200W
AC output frequency	50/60Hz	50/60Hz
AC output efficiency	93%	90%
AC output waveform	Pure sine wave	Pure sine wave
AC output constant power mode	3780VA	3780VA
Battery charge/discharge		
Battery series count	16S LiFePO ₄ pack	16S LiFePO ₄ pack
Rated voltage	51.2V	51.2V
Voltage range	40.0~58.4V	40.0~58.4V
Charge current range	90±2A	80±5A
Trickle charge	2.0±1.0A	2.0±1.0A
DC output efficiency	≥93%	≥90%
AC Input		
Rated AC input voltage	230Vac	110Vac
AC input voltage range	176~264Vac	85~135Vac
Rated AC input current	15A	30A
Max. AC input power	3000W	3000W
AC input frequency	45.0~65.0Hz	45.0~65.0Hz
Power factor	≥0.98	≥0.98
PV Input/DC Input		
Max. PV/DC input power	1600W	1600W
PV/DC input voltage range	12~150Vdc	12~150Vdc
Max. PV/DC input current	20A	20A
Features		
No-load power consumption	≤25W	≤25W
UPS transfer time	10ms	10ms
EMC Standard	EN55032, Class B	EN55032, Class B
Operating temperature	-10°C to +40°C	-10°C to +40°C
Storage temperature	-20°C to +70°C	-20°C to +70°C
Cooling method	Forced air cooling required	Forced air cooling required
Communication mode	RS485	RS485
Dimensions	349x197x75mm	349x197x75mm
Weight	3.4kg	3.4kg
Parallel Function	Supported	Supported
Grid-tie Function	Supported	Supported

*The above are for reference only; the specification sheets shall prevail.

5000W Bi-Directional Inverter

EMC

Class B passed

1600W

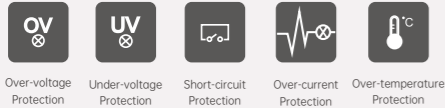
Built-in MPPT

10ms

EPS Switchover Time

Connection

Built-in parallel/on-grid function



Features

- EMC Class B passed
- 1600W MPPT
- UPS transfer time :10ms(typical value)
- Industry-leading high power density
- OTA supported
- Grid connection & Expandability supported
- 16S LiFePO₄
- 120V/230V AC output
- Operating temperature: -10°C~40°C at full load
- Communication: RS485

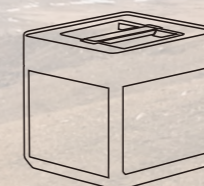
Technical Parameters

Model	MGI50EMGGH
AC Output	
Rated AC output voltage	230Vac
AC output voltage range	220~240Vac
Rated AC output power	5000W
Max. over-load power	10000W
AC output frequency	50/60Hz
AC output efficiency	93%
AC output waveform	Pure sine wave
AC output constant power mode	5250VA
Battery charge/discharge	
Battery series count	16S LiFePO ₄ pack
Rated voltage	51.2V
Voltage range	40.0~58.4V
Charge current range	90±2A
Trickle charge	2.0±1.0A
DC output efficiency	≥93%
AC Input	
Rated AC input voltage	230Vac
AC input voltage range	176~264Vac
Rated AC input current	15A
Max. AC input power	3000W
AC input frequency	45.0~65.0Hz
Power factor	≥0.98
PV Input/DC Input	
Max. PV/DC input power	1600W
PV/DC input voltage range	12~150Vdc
Max. PV/DC input current	20A
Features	
No-load power consumption	≤25W
UPS transfer time	10ms
EMC Standard	EN55032, Class B
Operating temperature	-10°C to +40°C
Storage temperature	-20°C to +70°C
Cooling method	Forced air cooling required
Communication mode	RS485
Dimensions	349x197x75mm
Weight	3.4kg

*The above are for reference only; the specification sheets shall prevail.



300W-5000W MECO Series Solar Generator



MECO 1kWh 500W

MECO 1.8kWh 600W

MECO 2kWh 1200W

MECO 3.6kWh 2200W

MECO 3.6kWh 3000W

MECO 5.4kWh 5000W

1kWh Solar Generator

Meco 1kWh (300W)



Lamp 20W
45h



Fan 30W
30h



TV 100W
9h



Phone 2942mAh
300 times



Laptop 60W
15h



Car Fridge 60W
15h



Projectors 100W
9h



Hairdryer 200W
4.5h



Camera 40W
22.5h



Pet Feeder 6W
150h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 1kWh

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	1004.8Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	300W
AC input	90V~280V,45~65Hz,350W
DC input (PV)	12V~60Vdc,Max. 200W
AC Output / Waveform	Max. 300W / Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	8.5kg
Dimensions	D185*W210*H208.5mm

Work Environment

Operating/Storage Temp.	0~40°C
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.
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*The above are for reference only; the specification sheets shall prevail.

1kWh Solar Generator

Meco 1kWh Pro (500W)



Lamp 20W
45h



Fan 30W
30h



TV 100W
9h



Phone 2942mAh
300 times



Laptop 60W
15h



Car Fridge 60W
15h



Projectors 100W
9h



Hairdryer 200W
4.5h



Camera 40W
22.5h



Pet Feeder 6W
150h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 1kWh pro

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	1004.8Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	500W
AC input	90V~280V,45~65Hz,500W
DC input (PV)	12V~60Vdc,Max. 500W
AC Output / Waveform	Max. 500W / Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	8.5kg
Dimensions	D185*W210*H208.5mm

Work Environment

Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.
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*The above are for reference only; the specification sheets shall prevail.

1.8kWh Solar Generator

Meco 1.8kWh (600W)



Fan 30W
54h



TV 100W
16h



Phone 2942mAh
540 times



Laptop 60W
27h



Washing Machine 300W
5.4h



Fridge 150W
10.8h



Microwave oven 600W
2.7h



Hairdryer 200W
8h



Ventilator 40W
40.5h



Rice cooker 600W
2.7h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 1.8kWh

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	1792Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	600W
AC input	90V~280V,45~65Hz, 600W
DC input (PV)	12V~60Vdc,Max. 500W
AC Output / Waveform	Max. 600W /Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	16.8kg
Dimensions	D252*W226*H311mm

Work Environment

Operating/Storage Temp.	0~40°C
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.
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*The above are for reference only; the specification sheets shall prevail.

2kWh Solar Generator

Meco 2kWh (1200W)



Fan 30W
60h



TV 100W
18h



Phone 2942mAh
600 times



Laptop 60W
30h



Washing Machine 300W
6h



Fridge 150W
12h



Microwave oven 700W
2.5h



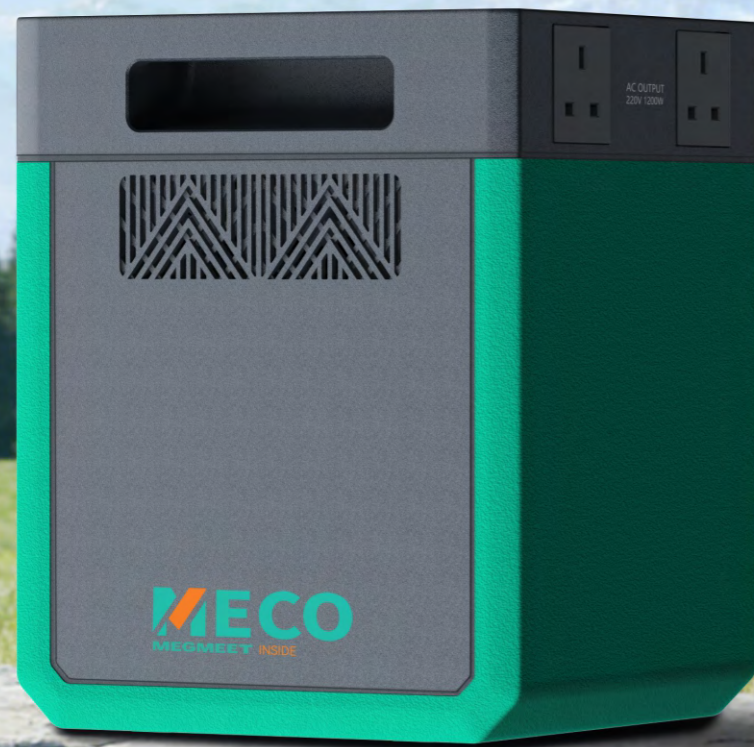
Hairdryer 200W
9h



1HPAc 850W
2h



Rice cooker 600W
3h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 2kWh

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	2009.6Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	1200W
AC input	90V~280V,45~65Hz,1200W
DC input (PV)	12V~60Vdc,Max. 600W
AC Output / Waveform	Max. 1200W/Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	16.8kg
Dimensions	D252*W226*H311mm

Work Environment

Operating/Storage Temp.	0~45°C
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Mains Input Over/Undervoltage Protection,Overcurrent Protection,Short Circuit Protection,Overtemperature Protection,Low Temperature Protection,Battery Operation Safety Protection,Photovoltaic Input Over/Undervoltage Protection, Photovoltaic Reverse Polarity Protection.
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*The above are for reference only; the specification sheets shall prevail.

3.6kWh Solar Generator

Meco 3.6kWh (2200W)



Fan 30W
108h



TV 100W
32.4h



Phone 2942mAh
1080 times



Laptop 60W
54h



Washing Machine 300W
10.8h



Fridge 150W
21.6h



Microwave oven 700W
4.6h



Hairdryer 200W
16.2h



1HPAc 850W
3.8h



Rice cooker 600W
5.4h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 3.6kWh

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	3584Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	2200W
AC input	90V~280V,1380W
DC input (PV)	60V~400Vdc,Max. 3000W
AC Output / Waveform	Max. 2200W/Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	32kg
Dimensions	D285*W549*H359mm

Work Environment

Operating/Storage Temp.	0~40°C
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection
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*The above are for reference only; the specification sheets shall prevail.

3.6kWh Solar Generator

Meco 3.6kWh Pro (3000W)



Fan 30W
108h



TV 100W
32.4h



Phone 2942mAh
1080 times



Laptop 60W
54h



Washing Machine 300W
10.8h



Fridge 150W
21.6h



Microwave oven 700W
4.6h



Hairdryer 200W
16.2h



1HPAc 850W
3.8h



Rice cooker 600W
5.4h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 3.6 kWh Pro

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	3584Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	3000W
AC input	90V~280V,45~65Hz,3000W
DC input (PV)	60V~450Vdc,Max. 4000W
AC Output / Waveform	Max. 3000W /Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	32.5kg
Dimensions	D285*W549*H359mm

Work Environment

Operating/Storage Temp.	0~40°C
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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Protection

Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection
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*The above are for reference only; the specification sheets shall prevail.

5.4kWh Solar Generator

Meco 5.4kWh (5000W)



Fan 30W
162h



TV 100W
28.6h



Phone 2942mAh
1620 times



Laptop 60W
81h



Washing Machine 300W
16.2h



Fridge 150W
32.4h



Microwave oven 700W
7h



Hairdryer 200W
24.3h



1HpAc 850W
5.7h



Rice cooker 600W
8.1h



Technical Parameters



Brand & Model

Brand Name	Meco Power
Model No.	Meco 5.4kWh

Core Parameters

Battery Type	LiFePO ₄
Battery Capacity	5376Wh
Battery Lifespan	8000 cycles

Product Parameters

Rating	5000W
AC input	90V~280V,45~65Hz,5000W
DC input (PV)	60V~450Vdc,3000W*2
AC Output / Waveform	Max. 5000W/Pure sine-wave
AC Outlet	Universal

Size & Weight

Net Weight	45kg
Dimensions	L320*W578*H407mm

Work Environment

Operating/Storage Temp.	0~40℃
Operating Altitude	≤3000m
Humidity	10%~90%
Protection Level	IP20

Certification

Certification	UN38.3/MSDS/IEC
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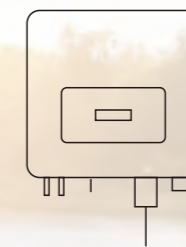
Protection

Protection	Overcharge and over discharge protection/Overcurrent protection Overload protection Short circuit protection/Fault protection
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*The above are for reference only; the specification sheets shall prevail.



Residential Inverter



Low-voltage Off-Grid Single
Phase Inverter Series

High-voltage Hybrid
Three Phase Inverter Series

Low-voltage Off-Grid Single Phase Inverter Series

MGH-6KHL-ET

- Built-in MPPT
- Support generator
- Smart cloud: Web & APP real-time monitoring
- Colorful LCD display
- Max. 6 units in parallel
- 2 times rated power peak output for 5 seconds
- Dual output
- 0°C~55°C operating temperature
- Fan cooling noise level < 65dB
- UPS transfer time < 10ms
- Max. AC output efficiency 94%
- Up to 120A charge and discharge current



Technical Parameters

Model	MGH-6KHL-ET
Battery Input	
Battery type	Lead-Acid /LiFePO ₄
Rated input voltage	48V/51.2V
Input voltage range	40-60V/40-58.4V
Max. charge current	120A
Max. discharge current	120A
PV input	
Max. input power	4500W*2
MPPT voltage range	60-500V
Rated PV input voltage	250V
Max. input current	20A*2
No. of MPPT	2/1
AC input/output	
Max. AC input/output power	6000W/6600W
Rated AC input/output current	27A/28.7A
Rated input voltage	230V
Input voltage range	90~280V/170~240V
Peak output power	12000W/5s
Rated output voltage	230V
Max. output current	27A
Rated output frequency	50/60Hz
THDV	< 3%
Efficiency	
MPPT efficiency	≥99.9%
Max. output efficiency	≥94%
General	
Operating temperature	0°C ~ 55°C
Communication	CAN/RS485
Weight	13kg
IP rating	IP20
Dimensions	420*350*115mm
Cooling method	Fan cooling
Warranty	2 years
Certifications	IEC62109, EN61000-EMC

*The above are for reference only; the specification sheets shall prevail.

High-voltage Hybrid Three Phase Inverter Series

MGH-8KTR-ET

MGH-10KTR-ET

MGH-12KTR-ET



Max. on-grid efficiency > 98%



Smart cloud: Web & APP real-time monitoring



Wide battery voltage range 160-800V



IP65 Waterproof level, 5-year warranty



UPS transfer time < 10ms



1.5 times rated power peak output for 10 seconds



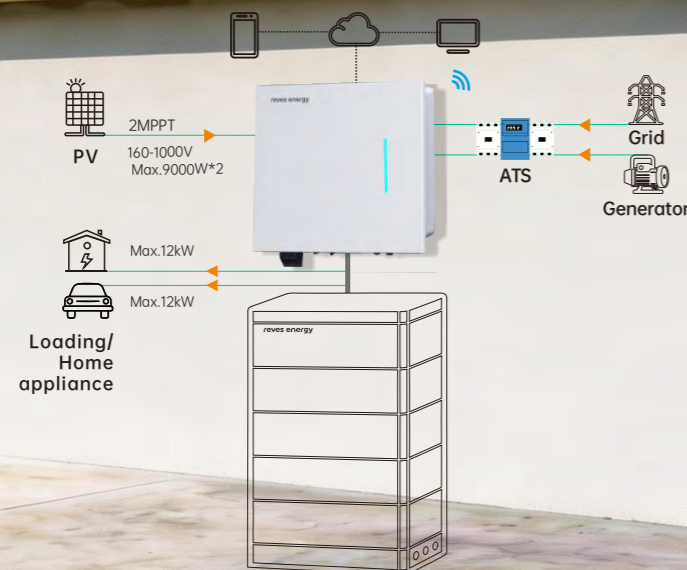
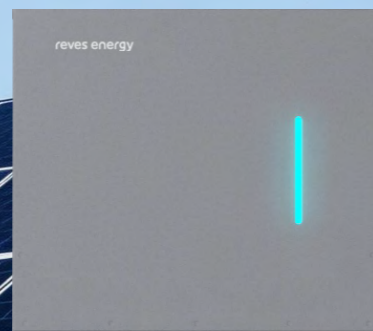
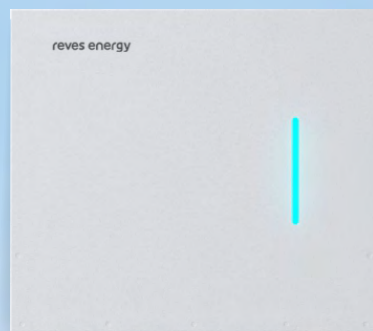
100% unbalanced load



-30°C~60°C operating temperature



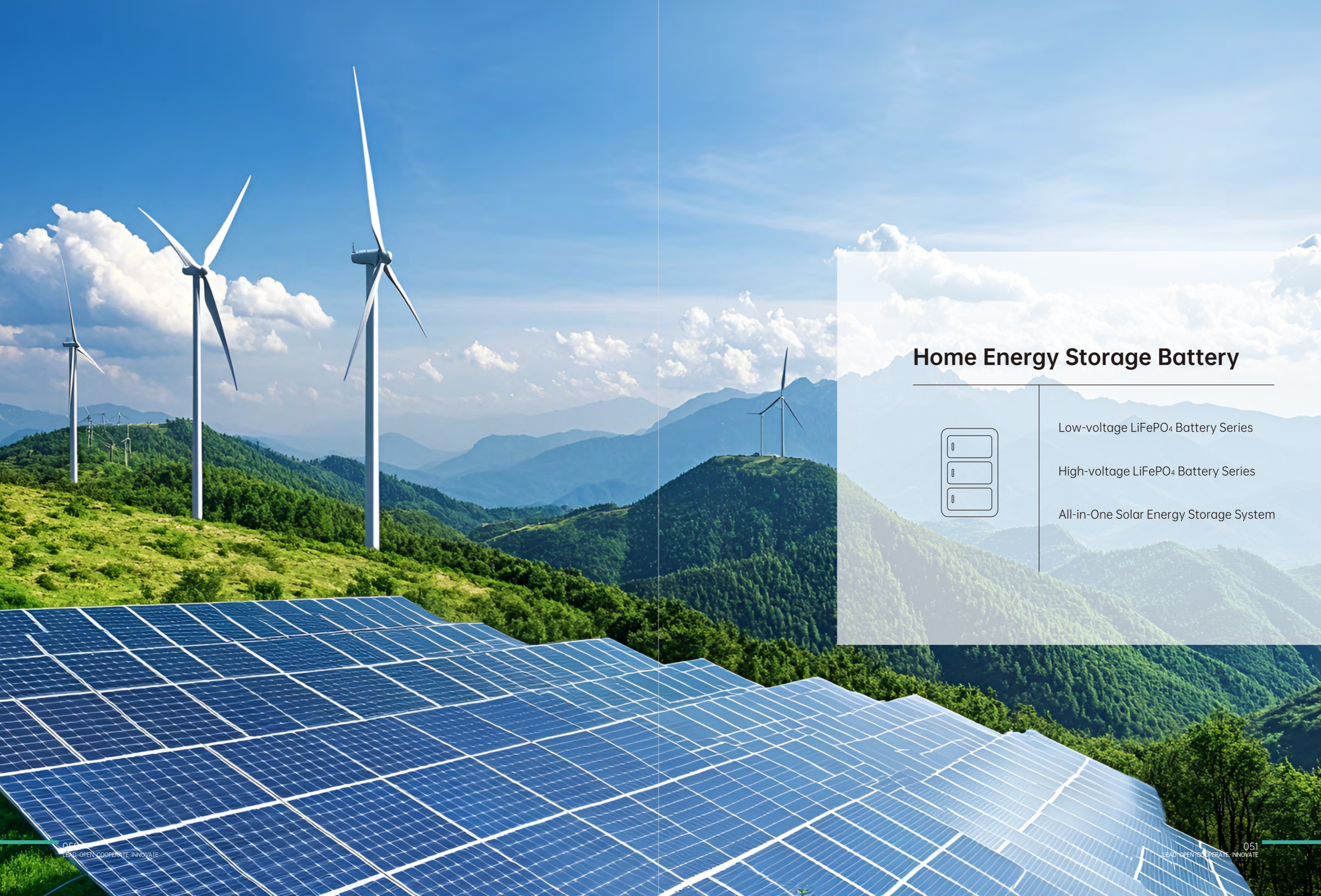
Max. 6 units in parallel



Technical Parameters

Model	MGH-8KTR-ET	MGH-10KTR-ET	MGH-12KTR-ET
Battery Input			
Battery type		LiFePO ₄	
Rated input voltage		600 V	
Input voltage range		160-800 V	
Max. charge current		25 A	
Max. discharge current		25 A	
PV input			
Max. input power	6000W*2	7500 W*2	8000W*2
Max. input voltage		1000V	
Operating voltage range		160-1000V	
Full-load MPPT voltage range		480-850V	
Max. operating input current		20A*2	
Max. input short-circuit current		23A*2	
No. of MPPT		2/1	
On-grid output			
Rated output power	8000 W	10000 W	12000 W
Max. output power	8800 W	11000 W	13200 W
Rated output voltage		230/400 Vac, 3L/N/PE	
Rated output current	11.6 A	14.5 A	17.4 A
Max. output current	12.7 A	15.9 A	19.1 A
Output frequency		50Hz	
Off-grid output			
Rated output power	8000 W	10000 W	12000 W
Peak output power	16000W/10s	18000W/10s	18000W/10s
Rated output voltage		230/400 Vac, 3L/N/PE	
Max. output current	11.6 A	14.5 A	17.4 A
Rated output frequency		50/60Hz	
Efficiency			
MPPT efficiency		≥99%	
Max. efficiency		≥98%	
Europe efficiency		97.5%	
General			
Operating temperature		-30°C ~ 60°C	
Communication		CAN/RS485	
Weight		22kg	
IP rating		IP65	
Dimensions		550*485*175mm	
Cooling method		Air cooling	
Warranty		≥5 years	
Certifications		IEC62109, EN61000-EMC, EN50549-1, DIN VDE V0124-100, VDE-AR-N 4105	

*The above are for reference only; the specification sheets shall prevail.



Home Energy Storage Battery



Low-voltage LiFePO₄ Battery Series

High-voltage LiFePO₄ Battery Series

All-in-One Solar Energy Storage System

Low-voltage LiFePO₄ battery series

MPE051100F



Support rack, wall stack and floor mounted



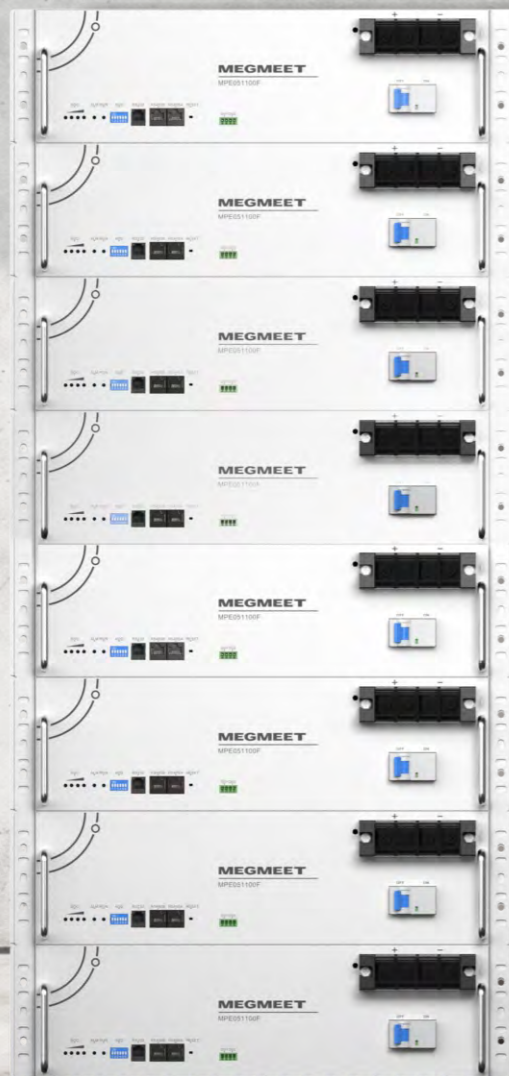
Support Max. 16 units in parallel



Support ODM&OEM& Monitoring APP customized



Compatible with mainstream inverters



MPE051100F



Stacked

Wall-mounted


Technical Parameters


Residential Low voltage LiFePO ₄ Battery	MPE051100F
Model	
Nominal voltage/capacity	51.2V/100Ah
Nominal energy	5120Wh
Standard charge current	50A
Max. charge current	100A
Standard discharge current	50A
Max. discharge current	100A
Dimensions	444*420*130mm
Weight	39.5kg
Lifecycle	≥ 6000
IP rating	IP20
Operating temperature	-20 °C ~ 55 °C
Storage temperature	-20 °C ~ 45 °C
Parallel units	Max. 16 pcs
Communication	CAN/RS485/RS232
Certifications	UN38.3, MSDS, CE


*The above are for reference only; the specification sheets shall prevail.


High-voltage LiFePO₄ battery series


MGB-HV10, MGB-HV15, MGB-HV20, MGB-HV25, MGB-HV30


 Easy installation


 Compatible with mainstream inverters

 Flexible capacity from 10-30kWh

 -20°C cold climate outdoor & indoor installation

 UN38.3, MSDS approved

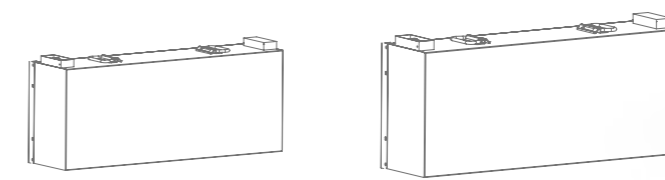
 Support ODM & OEM & Monitoring APP customization

 Support stackable up to 6 modules



Single module Technical Specifications

Model		Dimensions	Weight
51.2V 50Ah 2.56kWh	battery	650*210*180mm	24kg
	High voltage box	650*210*250mm	14kg
	Base	610*210*90mm	7kg
51.2V 100Ah 5.12kWh	battery	610*225*250mm	48.5kg
	High voltage box	610*225*250mm	16kg
	Base	610*225*90mm	9kg



High Voltage LiFePO₄ Battery

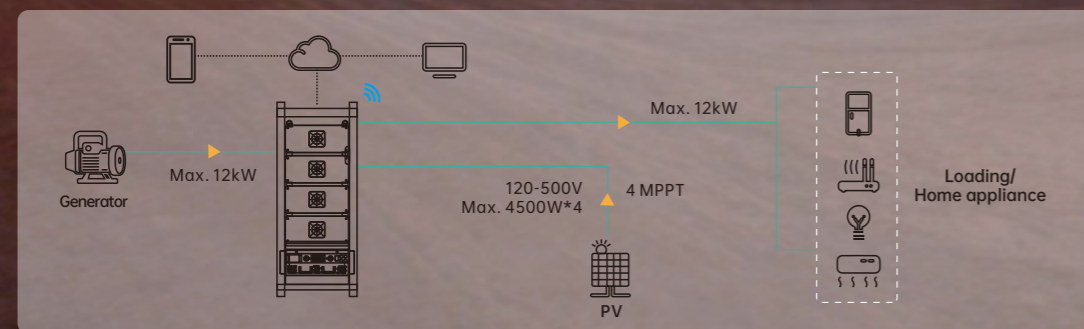
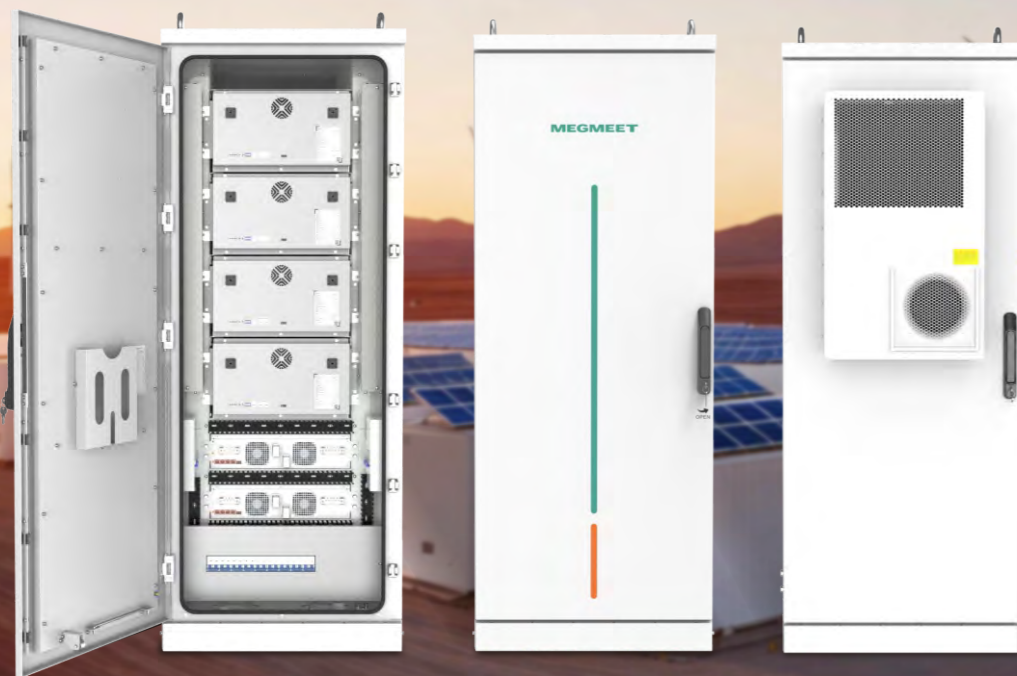
Model	MGB-HV10	MGB-HV15	MGB-HV20	MGB-HV25	MGB-HV30
Number of battery module	4	6	4	5	6
Energy	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Nominal voltage	204.8V	307.2V	204.8V	256V	307.2V
Dimensions	650*210*1060mm	650*210*1600mm	610*225*1390mm	610*225*1640mm	610*225*1890mm
Weight (KG)	117kg	165kg	223kg	276kg	329kg
Recommended charging current		25A		50A	
Max. continuous charging /discharging current		50A		100A	
Communication		RS485 / CAN		RS485 / CAN	
Charging temperature		0~45°C		0~45°C	
Discharging temperature		-20~55°C		-20~55°C	
Relative humidity			5%~95%		
Cooling method			Air cooling		
Lifecycle			≥6000 @80%DOD, 25°C/0.5C		
IP rating			IP54		
Certifications			UN38.3, MSDS		

*The above are for reference only; the specification sheets shall prevail.

ALL-IN-ONE Smart Off-grid Solar Energy Storage System

M-ESC-051064-F6K

- 4 streams input max. 20kW
- WIFI & 4G, real-time monitoring and upgrades
- Max. 3pcs paralleled
- Protection level: IP55
- Aerosol-based full-cabinet fire suppression system
- Minimalist design, Plug-and-play



Technical Parameters

Model	M-ESC-051064-F6K
Inverter	
AC output power	12kW
Rated output voltage	230V/50Hz
Efficiency	94%
Working mode	Off-grid
Battery	
Battery cell	LiFePO ₄
Capacity	64kWh
Max. charging power	12kW
Max. discharging power	12kW
Rated voltage	51.2V
DoD	95%
Life cycle	> 8000 cycles
PV	
MPPT input power	18kW
No. of MPPT	4 streams
Air Conditioner	
Rated power	3kW
Communication	
Communication mode	4G/LAN/CAN
Protocol	MQTT, IEC61850, MODBUS
General Parameters	
Cabinet Efficiency	> 90%
Product size (depth*width*height)	1200*700*1800mm
Installation mode	Floor standing
Working temp range	-20°C-55°C
Max. working altitude	< 2000m
Relative humidity	10%-90%
Heat dissipation	Air conditioning
Protecting level	IP55
Parallel units	Max. 3pcs
Cabinet fire protection	Aerosol
Certification	
Certifications	CE, MSDS, UN38.3
Package	
Wooden box	P903 standard
Box size(depth*width*height)	1360*840*2080mm
Gross weight	≈ 860kg (740+120)

*The above are for reference only; the specification sheets shall prevail.