

Model: MF51100C BATTERY



HBC® is a new range of Residential Battery Energy Storage System, with participation of PV, battery, loads and grid system for energy management.



Max. 1100°C Fireproof Insulation



Modular Design, Easy Installation



Excellent Safe LiFePO4 Battery

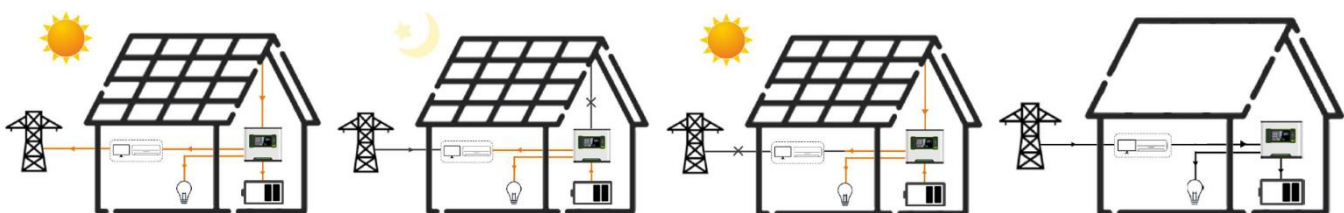


Long Lifespan

Operation Modes

The energy produced by PV system shall be used to optimize self-consumption, excess power charges battery and the rest power could be exported to the grid.

Battery shall discharge to support loads when PV power is insufficient to meet self-consumption. If battery power is not sufficient, the system will take power from grid to support loads.



Technical Data	
Model	MF51100C
General	
Cell Chemistry	LFP (LiFePO4)
Cell Model	32700
Dimension (W x H x D)	440 x 628 x 216 mm (without bracket) 448 x 628 x 259 mm (with bracket)
Weight	56 kg
Ingress Rating	IP20 (Indoor)
Operating Temperature Range	-10 °C ~ +50 °C *
Relative Humidity	15 ~ 85%
Max. Operating Altitude	2000 m (>2000 Derating)
Electrical	
Module Capacity	4.92 kWh
Usable Capacity	4.67 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	51.2 V
Voltage Range	43.2 ~ 58.4 V
Max. Charging/Discharging Current	100 A (1C)
Cycle Life	6000 **
BMS	
Modules Connection	1 ~ 6 in parallel
Capacity	4.9 / 9.8 / 14.7 / 19.7 / 24.6 / 29.5 kWh
Usable Capacity	4.7 / 9.3 / 14.0 / 18.7 / 23.3 / 28.0 kWh
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, PCB Temperature
Communication	CAN & RS485
Certification	
Transportation	UN38.3
Safety	CE, IEC 62619 (Cell), IEC 62619 (Pack)
Warranty	10 years 70% EOL capacity

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.

** Under specific test conditions.



MPMC POWERTECH CORP.
sales@mpmc-china.com | www.mpmc-group.com

Photographs are for illustrative purposes only and may not reflect final configuration.

Follow us

 <https://www.facebook.com/mpmcgroup>

 <https://www.linkedin.com/company/mpmcpowertech/>

 <https://www.youtube.com/user/MPMCGenerator>

All information in this document is substantially correct at time of printing and may be altered subsequently. Final weight and dimensions will depend on completed specification.