

SOLAR INVERTER WITH LITHIUM BATTERY STORAGE

MUST®



May the power be with you

HBP1800 PRO Series

HBP1800 PRO energy storage system ESS solution, including 5kw 48vdc solar inverter and a lithium battery storage with 5kwh-25kwh energy optional. It is a one-stop service system that can manage your solar home battery storage system more conveniently. Flexible modular system can be designed based on house daily consumption. The perfect emergency energy solution for villas, apartments, hotels, shopping centers.



CONVENIENT APPLICATION

Easy plug-in installation



MODULAR DESIGN

Support 2 stacked ~ 5 stacked energy storage



HIGH POWER

Power for all applications

- + Stacked movable energy storage systems.
- + Rechargeable lithium batteries use safe lithium cell LiFePO4.
- + The intelligent BMS system adopts the latest battery communication system.
- + Flexible investment with 5.12kWh modular design, scalable from 5.12kWh to 25.6kWh.
- + The battery capacity can be increased freely and flexibly according to the situation of home use.
- + Reduce electricity bills and increase your energy needs for electrical self-sufficiency.

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Specifications

MODEL		HBP18-52481 PRO	HBP18-52482 PRO	HBP18-52483 PRO	HBP18-52484 PRO	HBP18-52485 PRO
Inverter	Rated power	5200W				
	Output voltage waveform	Pure sine wave				
	Output voltage regulation	230Vac±5%				
	Output frequency	50Hz or 60Hz				
	Peak efficiency	93%				
	Nominal DC input voltage	48Vdc				
	Standby Consumption	< 25W				
PV Input	Max solar power input	6000W				
	PV max charging current	100A				
	Combined charging current	100A				
	Max efficiency	98.0% max				
	PV array open circuit voltage	450VDC				
	PV Array MPPT Voltage Range	150V-430VDC				
AC Input	AC input voltage	230Vac ±5%				
	Acceptable input voltage range	170~280VAC				
	Nominal input frequency	50Hz / 60Hz (Auto detection)				
	Transfer time	10ms typical (UPS, VDE); 20ms typical (APL)				
AC Charge	Charging current @ Nominal input voltage	80A				
	Charging Algorithm	4-step (Li)				
Output	AC output	230Vac (Terminal)				
Lithium Battery	Energy	5120Wh	10240Wh	15360Wh	20480Wh	25600Wh
	Nominal voltage	51.2V				
	Battery capacity	100Ah	200Ah	300Ah	400Ah	500Ah
	Standard charging and discharge current	100A				
	Maximum continuous charging & discharge current	100A				
	Operation ambient temperature	Charge	0~45°C			
Discharge		-20~55°C				
Dimension	Product Size (LxWxH)	/	/	/	/	/
	Packing Size (LxWxH)	/	/	/	/	/
	Net Weight	/	/	/	/	/
	Gross Weight	/	/	/	/	/

The technical specifications of this document are subject to change without any notice