

HOME SOLAR ENERGY STORAGE SOLUTION

May the power be with you



MUST®

HBP1100 Series

HBP1100 energy storage system is an all-in-one solution, which integrated a hybrid solar inverter & lithium battery in to one unit.

This model combines functions both off grid and on grid which could manage your solar home battery storage easily.

Flexible modular system could be designed based on house dailyconsumption.

ESS is easily to select the priority of power supply, it allows you to store the energy to self-consumption and sell to the grid. ESS is the best emergency energy solution for villas, apartments,hotels,shopping centers.



MODULAR DESIGN

Support 1~2 stacked energy storage



WIFI MONITORING

Mobile APP monitoring



PROTECTION RATING

IP65 Dust-proof and water-proof



SAVE MONEY

Peak shaving and valley filling

- + Rated power 5KW / 6KW
- + Lithium Battery Modular 5120Wh/10240Wh
- + Self-consumption and feed-back to the grid
- + Multiple Working Mode: Energy storage mode, load priority mode, power selling mode, and a high-efficiency mode (six time periods are provided for setting different modes to achieve peak-shaving and valley-filling, maximizing economic benefits)
- + Inside BMS,support to be charged and discharged according to bms requirements
- + Support to connect with generator
- + Automatic line-to-battery switch over

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Specifications

Model		HBP11-5048	HBP11-6048
Nominal Battery System Voltage		48VDC	
INVERTER OUTPUT	Rated Power	5000W	6000W
	Waveform	Pure Sine Wave	
	Nominal Output Voltage RMS	220~240Vac	
	Output Voltage Regulation	+10/-18%	
	Output Frequency	50Hz/60Hz	
	Inverter Efficiency (Peak)	97%	
	Typical Transfer Time	10ms, 15ms max	
AC INPUT	Voltage	230VAC	
	Voltage Range	180~280Vac	
	Frequency Range	47.5~52.5Hz / 57.5~62.5Hz	
Note: Below Parameters base on one LiFePO4 Lithium Battery Modular			
BATTERY	Battery	51.2VDC 100AH 5120/10240Wh	
	Low Battery Cutoff	44VDC	
	Low Battery Alarm	46VDC	
	Low Battery Voltage Recover	48VDC	
	High Voltage Alarm	58.5VDC	
	High Battery Voltage Recover	57.5VDC	
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	500VDC	
	PV Array MPPT Voltage Range	120~500VDC	
	Maximum Solar Charge Current	100A	125A
	Maximum AC Charge Current	100A	125A
	Maximum Charge Current	100A	125A
	Charger Voltage	56.5VDC	56.5VDC
	Charging Current	100A	100A
	Charging Time	1-2 hours	1-2 hours
	Overcharge Protection S.D.	60VDC	60VDC
	Output	AC Output	230Vac (Terminal)
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz	
	Circuit breaker	FUSE	
	Output Short Circuit Protection	80A	90A
	Max Bypass Current	23A	27A
MECHANICAL SPECIFICATIONS	Dimensions (W*D*H) (mm)	/	/
	Shipping Dimensions (W*D*H) (mm)	/	/
	Shipping Weight (kg)	/	/
OTHER	Operating Temperature Range	-15℃ to 40℃	
	Ingress protection rating	IP65	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	2 year	

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