

HOME SOLAR ENERGY STORAGE SOLUTION

MUST®

May the power be with you



HBP1800 ES Series

The HBP1800 ES energy storage system includes a 3.5kw or 5.5kw solar inverter and a lithium battery storage with optional energy ranging from 5120-10240Wh. This one-stop service system makes it more convenient for you to manage your solar home battery storage. Our flexible modular system can be designed based on your daily household energy consumption. This class-leading power station provides you with the power to run your daily household appliances, cabin workshops, or even provide power backup for your entire house for one or two days, depending on your demands. It's the perfect emergency energy solution for villas, apartments, hotels, and shopping centers.



SAFE

Grade A LFP Battery, Stable & Safe Smart Battery System



PRE-WIRED

Modular design, Plug and play



WIFI MONITORING

Mobile APP monitoring



MODULAR DESIGN

Support 1 stacked ~ X stacked energy storage

- + Rated power 3.5KW / 5.5KW
- + Lithium Battery Modular 5120Wh
- + Double layers PCB board
- + Display accumulated working time
- + Auto restart while AC recovery
- + Overload & short-circuit protection, Battery reverse polarity protection, Deep discharge protection
- + Advanced technology optimizes battery life
- + Automatic line-to-battery switch over

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Specifications

Model		HBP18-3524 ES	HBP18-5548 ES
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3500VA / 3500W	5500VA / 5500W
	Waveform	Pure Sine Wave	
	Nominal Output Voltage RMS	230V	
	Output Voltage Regulation	+10/-18%	
	Output Frequency	50Hz / 60Hz ± 0.5Hz	
	Inverter Efficiency (Peak)	>93%	
	Typical Transfer Time	<10ms , 15ms max	
AC INPUT	Voltage	230VAC	
	Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)	
	Frequency Range	50Hz / 60Hz (Auto sensing)	
Note: Below Parameters base on one LiFePO4 Lithium Battery Modular			
BATTERY	Battery	25.6VDC 200AH 5120/10240Wh	51.2VDC 100AH 5120/10240Wh
	Low Battery Cutoff	22.4DC	44.8DC
	Low Battery Alarm	23.4DC	46.8VDC
	Low Battery Voltage Recover	24.4VDC	48.8VDC
	High Voltage Alarm	29.0VDC	58.0VDC
	High Battery Voltage Recover	29.6VDC	59.2VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	450VDC	
	PV Array MPPT Voltage Range	150~430VDC	
	Maximum Solar Charge Current	100A	120A
	Maximum AC Charge Current	80A	100A
	Maximum Charge Current	100A	120A
	Charger Voltage	28.8VDC	57.6VDC
	Charging Current	40A ± 2A	60A ± 2A
Overcharge Protection S.D.	31VDC	62VDC	
Output	AC Output	230Vac (Terminal)	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz	
	Circuit breaker	FUSE	
	Bypass breaker rating	32A	40A
MECHANICAL SPECIFICATIONS	Dimensions (W*D*H) (mm)	596*220*1345mm	
	Shipping Dimensions (W*D*H) (mm)	Inverter: 687*680*300mm; Battery:660*490*285mm	
	Shipping Weight (kg)	/	/
OTHER	Operating Temperature Range	-10°C to 50°C	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	2 year	

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