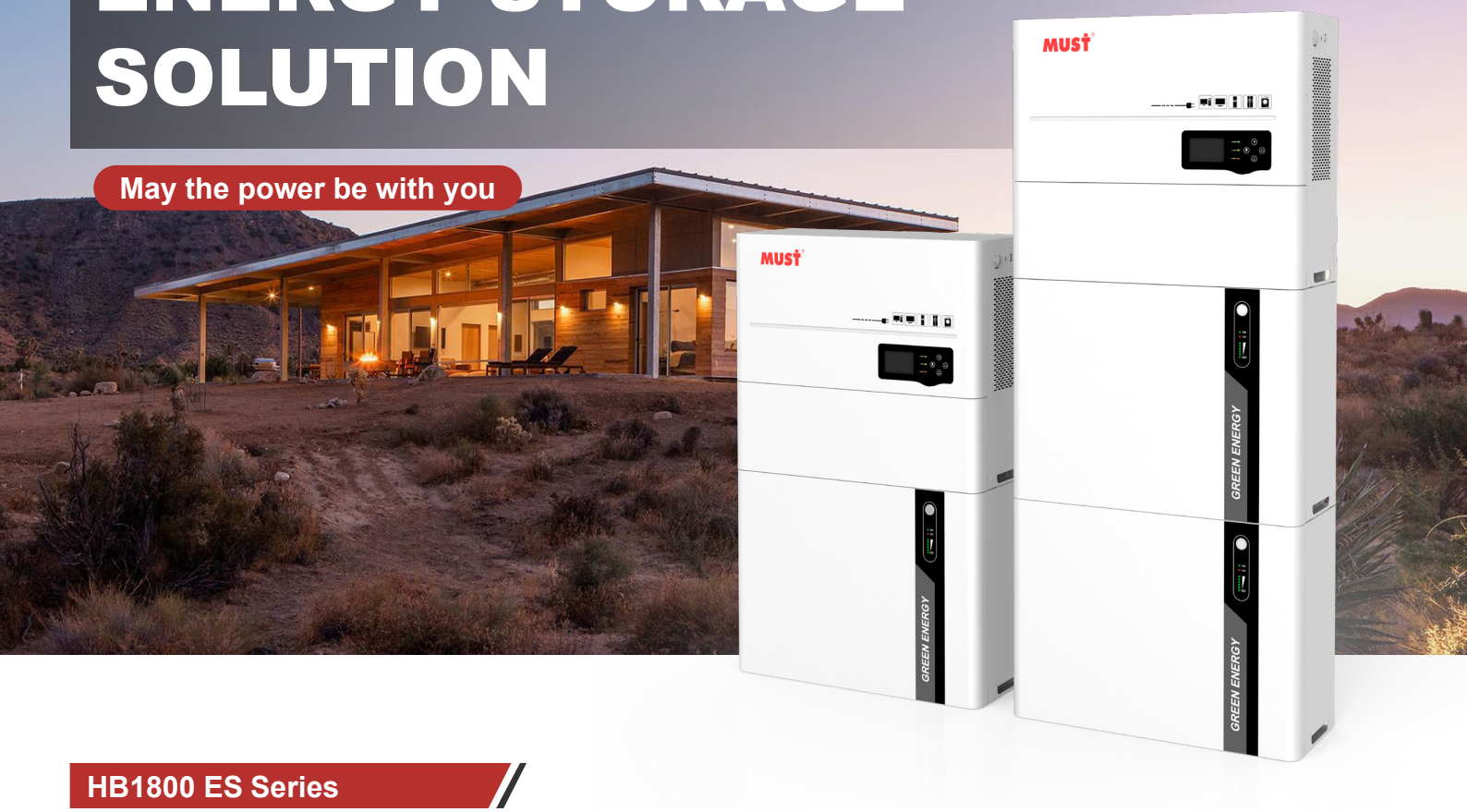
HOME SOLAR ENERGY STORAGE SOLUTION

May the power be with you



HB1800 ES Series

HBP1800 ES energy storage system, including 3.5kw 5.5kw power inverter and a lithium battery storage with 5120-10240wh energy optional.
It is a one-stop service system which could manage your solar home battery storage system more conveniently.
Flexible modular system could be designed based on house daily consumption. This class-leading power station brings you the power to run your daily consumes, family camping trip, cabin workshops, or even whole house for a day or two days power back up depending on your demands.The perfect emergency energy solution for villas, apartments, hotels, 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 2 stacked ~ 3 stacked energy storage

- Rated power 3.5W / 5.5W
- 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

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)	>85%	
	Line Mode Efficiency	>95%	
	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)	
BATTERY	**Note: Below Parameters base on one LiFePO4 Lithium Battery Modular**		
	Battery	25.6VDC 200AH 5120WH	51.2VDC 100AH 5120WH
	Low Battery Cutoff	23.2VDC	46.4VDC
	Low Battery Alarm	24.0VDC	48.0VDC
	Low Battery Voltage Recover	25.6VDC	51.2VDC
	High Voltage Alarm	29.0VDC	58.0VDC
	High Battery Voltage Recover	29.6VDC	59.2VDC
CHARGER	Charger Voltage	28.8VDC	57.6VDC
	Charging Current	40A ± 2A	20A ± 2A
	Charging Time	4 ~ 5 hours	4 ~ 5 hours
	Overcharge Protection S.D.	31VDC	62VDC
Output	AC Output	230Vac (Terminal)	
BYPASS & PROTECTION	Nominal Input Frequency	50Hz or 60Hz	
	Overload Protection (SMPS Load)	FUSE	
	Output Short Circuit Protection	7A	10A
	Max Bypass Current	7A	10A
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D) (mm)	/	
	Shipping Dimensions (W*H*D) (mm)	/	
	Shipping Weight (kg)	/	/
OTHER	Operation Temperature Range	-15℃ to 40℃	
	Audible Noise	60dB MAX	
	Display	LED+LCD	
	Standard Warranty	2 year	

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