

PORTABLE SOLAR POWER STATION

HBP1500 Series

600~1200W | 12V,24V | 230V



Powerful Output

600W~1200W inverter output to power TVs, laptops, speakers, and other essential devices.

Flexible Charging

Supports AC and solar charging for convenient energy replenishment anywhere.

Multiple Ports

DC 12V, DC 9V, USB-A, USB-C, and AC outputs power multiple devices simultaneously.

Portable Design

Compact and lightweight design for easy carrying at home, office, or outdoor camping.

Smart Display

HD screen displays battery level, power status, and system information at a glance.

LiFePO₄ Battery

Built-in 640Wh / 1280Wh LiFePO₄ battery for safe, stable, and long-lasting performance.

MAIN PARAMETER

Model	HBP15-0612	HBP15-1012	HBP15-1224
Nominal Battery System Voltage	12VDC		24VDC
INVERTER OUTPUT			
Rated Power	600VA / 600W	1000VA / 1000W	1200VA / 1200W
Waveform	Pure Sine Wave		
Nominal Output Voltage RMS	230V		
Output Voltage Regulation	+10/-18%		
Output Frequency	50Hz / 60Hz ±1Hz		
Inverter Efficiency (Peak)	>90%		
Line Mode Efficiency	>95%		
Typical Transfer Time	Typical < 10ms , 20ms max		
AC INPUT			
Voltage Nominal	230VAC		
Voltage Range	176 ~ 278VAC ± 3%		
Frequency Range	45 ~ 65Hz ± 2Hz		
Frequency Nominal	50Hz / 60Hz (Auto Detection)		
SOLAR CHARGER & AC CHARGER			
Maximum AC Charge Current	20A		15A
Maximum PV Charge Current	40A (max)		
Maximum Charge Current AC+PV	40A (max)		
Maximum PV Array Power	600W		1200W
MPPT Operating Voltage Range	15 ~ 75VDC		30 ~ 75VDC
Maximum PV Array Open Voltage	105VDC		
Maximum Efficiency	> 95%		
DC OUTPUT			
USB Type A	5V 2.1A * 4ch		
USB Type C	5V 1A * 1ch		
DC output	9V 1A + 12V 1A		
PROTECTION			
Battery Input Protection	FUSE		
Load Output Protection	FUSE		
Bypass Fuse Rating	6.3A	10A	10A
LITHIUM BATTERY			
Battery Energy	640Wh/ 1280Wh	1280Wh	1280Wh
Nominal Input Voltage	12.8VDC (4 Series LiFePO4)		25.6VDC (8 Series LiFePO4)
Low Battery Cutoff	11.5VDC		23.0VDC
Low Battery Alarm	12.0VDC		24.0VDC
Low Battery Voltage Recover	12.8VDC		25.6VDC
High Battery Voltage Recover	14.5VDC		29.0VDC
High Battery Voltage Cutoff	15.0VDC		30.0VDC

OTHER PARAMETER

Model	HBP15-0612	HBP15-1012	HBP15-1224
MECHANICAL SPECIFICATIONS			
Machine Dimension (W*H*D)(mm)	225* 304*335		
Package Dimension (W*H*D)(mm)	307* 375 *417		
N.W(kg)	12	17	17
G.W(kg)	14	19	19
OTHER			
Operation Temperature Range	0°C ~ 45°C		
Display	LED+LCD		
CERTIFICATION & STANDARDS			
CE-EMC			

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