

EH300-BL896 / EH500-BL1000

Portable All-in-One ESS Series



300 W + 896 Wh | 500 W + 1000 Wh | Solar Charging

The Enerup portable all-in-one ESS series integrates inverter, charger, LiFePO4 battery, and BMS for outdoor, backup, and mobile energy use.

KEY FEATURES

Portable All-in-One

Integrated inverter, charger, battery, and BMS.

Pure Sine Wave

AC output waveform suitable for sensitive loads.

Solar Charging

Supports PV input and solar charging.

USB Output

Supports USB output and phone charging.

Wide MPPT Range

PV array MPPT voltage range 10-55 VDC.

Low Noise

Noise level below 40 dB at 1 m.

SOC Indicator

LED SOC and working status indicators.

All-Round Protection

Integrated protection for portable energy use.

QUICK SPECIFICATIONS - EH300-BL896 / EH500-BL1000

Models	EH300-BL896 / EH500-BL1000
Rated AC Output Power	300 W / 500 W
Battery Capacity	896 Wh / 1004.8 Wh
Battery Type	LiFePO4 battery
Output Voltage	185-230 VAC, 50 Hz
Output Waveform	Pure sine wave
PV Voltage	30 VDC
PV MPPT Range	10-55 VDC

TECHNICAL SPECIFICATIONS - EH300-BL896 / EH500-BL1000
General

Models	EH300-BL896 / EH500-BL1000
Rated AC Output Power	300 W / 500 W
Battery Capacity	896 Wh / 1004.8 Wh
Battery Type	LiFePO4 battery

AC Output

Output Voltage	185-230 VAC, 50 Hz
Output Waveform	Pure sine wave

Charging

PV Voltage	30 VDC
PV MPPT Range	10-55 VDC
Max. PV Open Circuit Voltage	56 VDC
Solar Charging Power	300 W max.

Battery

Typical Capacity	280 Ah / 314 Ah
Max. Charge Current	130 A
Max. Discharge Current	130 A
Operating Voltage Range	2.9-3.6 VDC

Environment & Mechanical

Working Temperature	-10 °C to +50 °C
Humidity	5%-95%, non-condensing
Product Size	210 x 156 x 356 mm
Net Weight	9.9 kg / 11.0 kg

Specifications are subject to change without notice. Product appearance may vary by configuration. For technical support, warranty service, and certification documentation, contact your Enerup distributor.