

## SHPS2500 MODULAR POWER SYSTEM

The SHPS2500 Modular Power System is a rugged, portable, and ready-to-use energy delivery system that provides continuous power via hot-swappable lithium battery packs.

The base system consists of a charger, a 4-kW inverter, and two 2.5-kWh battery packs. Both battery packs can be connected simultaneously (in parallel) to the inverter to extend the energy capacity to 5 kWh. Alternatively, one battery can be charged while the other is in use. In this configuration, a fully charged battery can be connected to the system before removing a depleted one, allowing for interrupted power delivery to the load.

The SHPS2500 Modular Power System creates a long-lasting, portable, continuous power source with a small footprint for use in multiple applications.



2.5 kWh Modular System

### APPLICATIONS, USES, AND INDUSTRIES

- ✦ Renewable Energy Storage (home/commercial)
- ✦ Agriculture and Cultivation
- ✦ Hospitals, Schools
- ✦ Film & Entertainment
- ✦ Emergency Services & Energy Resiliency
- ✦ Recreational Vehicles

### KEY FEATURES

- ✦ On /Off Key Switch for ease of use and safe transportation
- ✦ Color-coded: Blue = inverter; yellow = battery; red = charger
- ✦ 4 kW Inverter, 115 VAC output (24 V battery)
- ✦ Safest, most environmentally benign Lithium-ion chemistry available (no ventilation, cooling, or thermal regulation required, no risk of thermal runaway or fire)
- ✦ Long cycle life
- ✦ Non-toxic and non-hazardous, recyclable materials
- ✦ Portable - rollers on all cases
- ✦ Continuous Power Delivery



5.0 kWh Modular System

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## TECHNICAL SPECIFICATIONS

<b>SYSTEM TYPE:</b>	<b>2.5kWh Modular</b>	<b>5.0kWh Modular</b>
Modules / Cases	1x Inverter Case 1x Battery Case 1 x Charger Case	1x Inverter Case 2x Battery Cases 1 x Charger Case
Output Voltage	115 VAC	115 VAC
Power	4000W (Maximum)	4000W (Maximum)
Wh Capacity (Nominal)	2,500	5,000
DC Voltage	24V	24V
DC Voltage (Useful Range)	20-28.8	20-28.8
Current (Max Continuous)	30 A (AC); 150 A (DC, 24V)	30 A (AC); 150 A (DC, 24V)
Charging (CC-CV) (Max Current)	20 Amps or 40 Amps	40 Amps
Operating Efficiency	Up to 99%	Up to 99%
Self-Discharge Rate	< 1% per month	< 1% per month
Operation Temperature (Discharge)	- 4 to 150F (-20° - 65°C)	- 4 to 150F (-20° - 65°C)
Operation Temperature (Charge)	32 to 120F (0° - 49° C)	32 to 120F (0° - 49° C)
Battery Box Connection, DC Power (Standard)	SB-175 Polycarbonate Plug	SB-175 Polycarbonate Plug
Inverter Box Connection, AC Power (Standard)	L5-30R Receptacle Locking Plug	L5-30R Receptacle Locking Plug
Cycle Life	> 2,000 Cycles	> 2,000 Cycles
Memory Effect	None	None
Cell Chemistry	LiFeMnPO <sub>4</sub> (Lithium Iron Manganese Phosphate)	LiFeMnPO <sub>4</sub> (Lithium Iron Manganese Phosphate)
Warranty Period	5 Years	5 Years

*Dimensions (all cases):* 23.96 in. x 16.00 in. x 10.10 in.  
61 cm x 41 cm x 26 cm

*Inverter weight:* 25 lbs. (11.4 kg)  
*Battery weight:* 75 lbs. (34.1 kg)  
*Charger weight:* 20 lbs. (9.1 kg)

*Charging /discharging cables included*

*Length: 3 ft. (0.9 m)*  
*Connector: SB-175*

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**BriteShot**

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