

Specifications

Voltstack 5k



Rated Output

Continuous output: 4,800W
Peak power (3 sec): 5,800W

AC Output

120 VAC pure sine wave (THD <3%),
60Hz, single phase, 40A Max continuous

Charging Ports

AC input: 2 x 125 VAC 20 Amp receptacle (NEMA 5-15P type)
Solar input: 3 x Sunstack 4 Pin connectors

Charging Times (0 to 90% SOC)

1 x AC input (120VAC, 1,200W): 5 hours
2 x 2 AC input (120VAC 2,400W): 2.5 hours
Sunstack Solar MPPT input (2400W): 2.5 hours*
Combined input (AC + Solar): 1.5 hours

*Under optimal solar conditions

Box Mechanical Specs

Weight: 330 lbs / 150 kg
Four wheel (two stationary, two swivel) 5" neoprene casters
Dimensions of the unit incl. handles (L x W x H):
32" x 24" x 30" / 810mm x 600mm x 750mm

Safety

UL 1973, UL 2271, and IEC 62133 certified battery
Special inspection SPE 1000 CSA
Recommended storage temperature: 10°C - 30°C @ 80% SOC

Storage

5.6 kWh nominal
Battery type: Lithium ion (LiFePO₄)
Lifecycles: 4,000 cycles to 80% capacity*
*Full charge/discharge at 1C, 25°C

Output Connectors

2 x 125VAC, 20A weatherproof receptacles (NEMA 5-20R)
2 x 5VDC, 2.4A USB receptacles

User Interface

- Neuron OS enabled wireless monitoring platform for real-time data, analytics and GPS
- Battery monitor with state of charge, wattage in/out and operating and charging times
- Surrounding protective handles with room to grip
- Easy to use interface with 1-touch operating feature

Operating Conditions

Operating temperature (discharging): -20°C up to 50°C
Operating temperature (charging): 0°C up to 50°C

Protection

- Built-in overcharge / over-discharge protection
- Output protected against short circuit, overload, overtemperature and over-voltage
- Master system on/off for storage and shipping

Carbon Offset Equivalent

Offsets 20 kg of CO₂e for 8 hours operation*
*Assumes 1/4 load output and low CO₂e charging source