

Specifications

Voltstack 30k Level 2



Output Power

Nominal output power: 33kVA / 27kW

Max surge rating: 41kVA / 34kW (15 seconds)

Output Voltage

120/208 VAC three phase, pure sine wave (THD <3%),

60Hz, 75A continuous (94A 15s surge)

Charging Times (0 to 90% SOC)

120/208 VAC 80A 5-wire camlock inlet: 3.5 hours

120/208-240 VAC 50A 4-wire twist-lock (CS6375M2): 12 hours

EVSE Level 2 inlet 40A (SAE J1772): 12 hours

120V 15A inlet receptacle (NEMA 5-15P): Trickle Charge

Sunstack Solar MPPT input (9600W): 8 hours*

*Under optimal solar conditions

Operating Temperature

Operating temperature (discharging): -10°C up to 50°C*

Operating temperature (charging): 0°C up to 50°C*

*Full rated power up to 32°C. Power derated linearly at 2.8%/°C from 32°C to 50°C

Mechanical Specs

Dimensions (W x L x H): 48" x 81" x 60"

Unit weight: 4,850 lbs / 2,200 kg

Trailer dimensions: 6.5" x 11" (W x L)

Trailer weight: 800 lbs / 363 kg

Trailer hitch: 2-5/16" coupler

Outdoor rated enclosure (Designed to meet NEMA 3S)

Safety

UL 1973, UL 2271, and IEC 62133 certified battery

Special inspection SPE 1000 CSA

Energy Storage

80 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 Level 2 Charging Connectors (J1772)

2 x 120/208V 75A 5-wire camlock outlet

4 x 120V 20A GFCI receptacles (NEMA 5-20R type)

1 x 120V 30A twist-lock (NEMA L5-30R)

2 x 120/208V 30A 4-wire twist-lock (NEMA L14-30R)

1 x 120V Bates 60A stage pin connector

1 x 120V Bates 100A stage pin connector

Charging Ports

AC input

1 x 120/208 VAC 80A 5-wire camlock inlet

1 x 120/208-240 VAC 50A 4-wire twist-lock (CS6375M2)

1 x EVSE Level 2 inlet 40A (SAE J1772)

1 x 120V 15A inlet receptacle (NEMA 5-15P)

Solar Input

6 x Sunstack 4 Pin connectors

User Interface

- Neuron OS enabled wireless monitoring platform for real-time data, analytics and GPS
- 7" outdoor-rated LCD touch screen with state of charge, power in/out, operating and charging times
- Easy to use interface with 1-touch operating feature
- Resettable input and output breakers

Carbon Offset Equivalent

Offsets 110 kg of CO₂e for 8 hours operation*

*Assumes 1/2 load output and low CO₂e charging source