VOLTstack® 30k

SPECIFICATIONS

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%), 60 Hz, 75A Continuous (94A 15s Surge)

CHARGING TIMES (0 TO 90% SOC)

AC Input (Three Phase 208V 80A): 3.5 hours
AC Input (Single Phase 208-240V 40A): 12 hours
AC Input (Single Phase 120V 15A): Trickle Charge
EVSE Level 2 Input 40A: 12 hours
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*
Optional low temperature discharging: -30°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"
Weight: 4,850 lbs / 2,200 kg
Outdoor rated enclosure (Designed to meet NEMA 3S)

SAFETY

UL 1973, UL 2271, & IEC 62133 Certified Battery
UL Certified Inverter and Solar MPPT
Special Inspection SPE 1000 CSA

ENERGY STORAGE

80 kWh nominal
Battery Type: Lithium-Ion ($LiFePo_4$)
Lifecycles: 4,000 cycles to 80% capacity*
*Full charge/discharge at 1C, 25°C

OUTPUT CONNECTORS

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 120/240VAC 80A 5-wire Camlock inlet
1 x 120/208-240VAC 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™ Connectors

USER INTERFACE

- 7" outdoor-rated LCD touch screen with state of charge, power in/out, operating and charging times
- App-enabled wireless monitoring platform for real-time data, analytics, and GPS
- Resettable Input and Output Breakers

CARBON OFFSET EQUIVALENT

Offsets 110 kg of CO_2e for 8 hours operation*
*Assumes ½ load output and low CO_2e charging source