



VOLTstack[®] 20k

SPECIFICATIONS

OUTPUT POWER

Max. Output Power: 22kVA / 18kW
Max Surge Rating: 27.5kVA (15 seconds)

OUTPUT VOLTAGE

120/240VAC Split-phase, Pure Sine Wave (THD < 3%),
60Hz, 83A Continuous

CHARGING TIMES

AC Input (Split-phase 240V 80A): 3.5 hours charging
AC Input (Single Phase 120V 15A)
Solar MPPT Input (9600W): 7 hours charging*
**Under optimal solar conditions*

OPERATING TEMPERATURE

Operating temperature (discharging): -20°C up to 40°C
Operating temperature (charging): 0°C up to 40°C

MECHANICAL SPECS

Dimensions: 47" x 79" x 59.2" (W x L x H)
Weight: 4,000 lbs / 1,820 kg
IP65 rated enclosure

SAFETY

On board Class C fire extinguisher
Special Inspection SPE 1000 CSA
Non-combustible aluminum enclosure

ENERGY STORAGE

60 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 120V/240V 83A 4-wire Camlock outlet
4 x 120V 20A duplex receptacles (NEMA 5-20R type)
1 x 120V 30A twist-lock (NEMA L5-30R)
1 x 120/240V 30A 4-wire twist-lock (NEMA L14-30R)
1 x 120/240V 50A 4-wire twist-lock (NEMA L14-50R)
1 x 120V 60A Bates Stage Pin connector
1 x 120V 100A Bates Stage Pin connector

CHARGING PORTS

AC Input

1 x 120/240VAC 80A 4-wire Camlock inlet
1 x 120/240VAC 30A 4-wire twist-lock (L14-30P)
1 x 120/240VAC 50A 4-wire twist-lock (L14-50P)
1 x 120V 15A inlet receptacle (NEMA 5-15P)

Solar Input

6 x SUNstack™ Proprietary Connectors

USER INTERFACE

- App-enabled wireless monitoring platform for real-time data, analytics, GPS & fleet management
- Easy to use interface with 1- touch operating feature
- Battery monitor with state of charge, power in/out, operating & charging times
- Resettable input & output breakers