

Voltstack® 30k

Entertainment Energy Storage System

Power Storage and Distribution Rack



*Battery level certification



Catalog Number:
ESS030B3-41AJ1DW-62AJ4CD

Description:

Voltstack® 30k is the trailblazing electricity storage and distribution system that reigns supreme in the realm of silent, emission-free, off-grid portable power. With its cutting-edge technology and sleek design, the Voltstack® 30k stands tall as an industry leader. This powerhouse of a portable battery energy storage system effortlessly handles the power needs of temporary projects of almost any scale.

Typical Application:

Storing energy provided by utility, portable or solar sources, this portable system delivers silent, exhaust-free power to challenging locations that are away from typical and adequate power sources. Onboard battery cells may be recharged four thousand times to provide years of service. Also available in non-standard configurations, these outdoor-rated units have limited moving parts to minimize maintenance costs.

Where Used:

Live Event, Motion Picture, TV/Film Production, Convention Centers, Rentals

The Voltstack® 30k makes clean, quiet, off-grid portable power available to remote locations through industry-standard connections

Specifications

Storage Rating	• Voltstack® 30k - 80.0kWh (Kilowatt Hours)
Storage Cell	• Lithium Ion (LiFePO ₄) Battery
Charging Ports	<ul style="list-style-type: none"> • (1) set of (5) 16 Series 80 Amp, 120/208 VAC, Single Pole, Panel Mount Inlets • (1) 'California Style' CS63 50 Amp, 125/250 VAC, 3-pole, 4-wire, Panel Mount Inlet • (1) EVSE Level 2 40 Amp (SAE J1772) Inlet • (1) NEMA 5-15 15 Amp, 125 VAC, Single Phase, 2-pole, 3-wire Panel Mount Inlet • (6) Sunstack Solar MPPT 4-pin Panel Mount Inlets
Charging Time (0% to 90% SOC)	<ul style="list-style-type: none"> • Single Pole Ports: 3.5 Hours • California Style Port: 12.0 Hours • EVSE Port: 12.0 hours • NEMA 5-15 Port: Trickle Charge • Sunstack Ports: 8 Hours[†] <p>[†] Assumes full use of 2400W solar input and optimal solar conditions</p>
Outputs	<ul style="list-style-type: none"> • (2) sets of (5) 16 Series 75 Amp, 120/208 VAC, Single Pole, Panel Mount Receptacles • (4) NEMA 5-20 GFCI, 20 Amp, 125 VAC, Single Phase, 2-pole, 3-wire Panel Mount Receptacles • (1) NEMA L5-30, 30 Amp, 125 VAC, Single Phase, 2-pole, 3-wire Panel Mount Receptacle • (2) NEMA L14-30, 30 Amp, 125/250 VAC, Three Phase, 3-pole, 4-wire Panel Mount Receptacles • (1) Stage Pin (Bates), 60A, 125 VAC, Single Phase, 2-pole, 3-wire Panel Mount Receptacle • (1) Stage Pin (Bates), 100A, 125 VAC, Single Phase, 2-pole, 3-wire Panel Mount Receptacle
AC Output	• 120/208 VAC, Pure Sine Wave (THD < 3%), 60Hz, Three Phase, 75A Max Continuous (94 Amp 15 Secs. Surge)



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Specifications (continued)

Rated Output	<ul style="list-style-type: none"> Continuous: 33kVA / 27kW Maximum Surge Rating: 41kVA / 34kW (15 Secs.)
User Interface	<ul style="list-style-type: none"> 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
Overcurrent Protection	<ul style="list-style-type: none"> Built-in over-charge / over-discharge protection Output protected against short circuit, overload, over-temperature and over-voltage Master system on / off for storage and shipping
Dimensions Including Handles	<ul style="list-style-type: none"> 5.00'H x 4.00' W x 6.75' D 152.4 cm H x 121.92 cm W x 205.74 cm D
Weight	<ul style="list-style-type: none"> 4,850# (2,200.00 kg)
Environmental Rating	<ul style="list-style-type: none"> NEMA Type 3R Discharging: -4°F to 122°F (-20°C to 50°C) Charging: 32°F to 122°F (0°C to 50°C) Storing: 50°F to 86°F (10°C to 30°C)
Features	<ul style="list-style-type: none"> With an optional trailer, Voltstack's towable design allows for easy transportation to different locations Smart hybrid technology automatically engages a diesel generator when the battery reaches a low charge state.
Carbon Offset	<ul style="list-style-type: none"> Offsets 242.50# (110 kg) of CO2e for 8 hours operation[‡] <p>[‡] Assumes ½ load output and low CO2e charging source</p>



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