



CognaVolt

Hi-Tech Mobile Power Solutions

CognaVolt delivers silent, zero-emission 95 kWh power solutions for industrial and field use, providing reliable energy where you need it, when you need it.

We partner with a leading manufacturer to provide a mobile, quiet, and flexible battery system that ensures reliable power and supports custom integrations for our customers.

Custom Solutions

Rentals

Sales

NAICS Codes:

532490 Industrial and Commercial Machinery & Equipment Rental

423610 Electrical Apparatus and Equipment Wholesaler



INDUSTRIES

- ⚡ **Agriculture** – sensor networks, ground rovers and robotic sprayers
- ⚡ **Aviation** - maintenance and ramp operations
- ⚡ **Defense** - drone platforms in contested zones
- ⚡ **Construction** - remote comms relay, lighting, security, custom sensors
- ⚡ **All Industries** - emergency and backup power

Want to learn more?

Contact us today for a live demonstration, and we can show you how CognaVolt can power your future.



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Specifications

CognaVolt's mobile battery solutions deliver portable, industrial-grade energy with seamless off-grid, grid-tied, or solar integration. Designed for EV charging, backup, or mobile use, they support 240 V / 120 V output and multiple charging inputs. Built-in wheels and an inverter simplify deployment across residential, commercial, or remote setups.

Battery Specs

Capacity	95 kWh
Amp Hours	1,240 Ah @ 72 V
Max DC Charge Current	250 A
Operating Voltage Range	67.2 V – 87.6 V
Chemistry	LFP
Cell Configuration	24S4P

Dimensions & Capacities

Weight	2,800 lb (1,270 kg)
Width	44 in (1,100 mm)
Depth	65.5 in (1,663 mm)
Height	41.7 in (1,058 mm)
Tow Capacity	5,000 lb (2,268 kg)
Carry Capacity	500 lb (227 kg)

Inverter Specs

AC Input Voltage	160-260 V (UPS Mode)
AC Output Voltage	110 V / 220 V (±10%)
Max PV Charge Current	2 x 80 A (14 kW)
PV Input Voltage Range	90 V – 230 V DC
Max Continuous Power	20 kVA
Max AC Charge Current	50 A @ 240 V
Output Frequency	50 Hz / 60 Hz (± 0.5 Hz)
Waveform	Pure-Sine Wave
Charge Temp. Range	-20 °C (-4 °F) / 55 °C (131 °F)
Discharge Temp. Range	-20 °C (-4 °F) / 55 °C (131 °F)
Optimal Discharge Temp Range.	15 °C (59 °F) / 35 °C (95 °F)
Storage Temp. Range	-5 °C (23 °F) / 35 °C (95 °F) (Max 6 months)

FAQs

What are the available methods for charging the unit, and how should I connect?

- Solar Panels: Connect compatible solar panels (90 – 230 V, up to 80 A per port) to the two blue BE175 solar input connectors.
- Grid Power (AC Charging): Connect the unit to a 240 V (50 A Max.) source via the designated charging input port. This method typically takes around 9 hours to charge from 10% to 95%.
- Gas/Diesel Generator: Standard household or industrial generators with a 240 V AC output can be used to charge the battery — ideal for off-grid or emergency use.
- Direct DC Charging: the unit also features a BE175 DC port for direct battery charging.

How does the unit support welding operations?

- Delivers 240 V, 30–50 A output supporting welders up to 7.2 kW with a 50–60% duty cycle.
- The battery unit provides about 25 hours of welding time, ideal for remote or off-grid use.
- Operates silently with no exhaust or off-gas, allowing indoor or enclosed-space welding with reduced noise and environmental impact.

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