



- 1** 250 kW Inverter
- 2** System Controls
- 3** Energy Storage Bays
- 4** Pad Cable Entry
- 5** Side Cable Entry
- 6** Heating & Cooling Systems

## 250 kW 500 kWh AC

2 Hour Standard & 4 Hour Option

## 1 Day Installation

Pad-Ready AC Battery System

## Compact 12.1' x 4.9' x 8.3'

Fits in Spaces Other Systems Can't

## Round Trip Efficiency

True Entire System AC-AC 92%

## Applications

Virtual Synchronous Machine

Demand Response

Peak Load Shaving

Backup Power

PV Smoothing

Microgrid

Frequency Regulation

Grid Interactive Services

## System Performance & Operation

Power Delivery	250 kW AC / 250 KVA AC
Energy Delivery	500 kWh AC
Round Trip Efficiency	92 %
SGIP/2hr Discharge	250 kVA
AC Voltage	480 VAC +10 %, -12 %, 3-phase 3/4 wire
AC Frequency	60 Hz nominal, 59.3-60.5 Hz (per UL requirement)
Max Continuous AC Current	320 A Per Phase at 480 VAC
Power Factor	200kVAR in 250kVA circle
Operating Temperature	-20°C to 50°C / -4°F to 122°F
3rd Party Control Interface & Protocol	TCP/RS232/RS485 Modbus

## Physical Characteristics

Enclosure	NEMA 3R (IP14 equiv.)
Height	2.53 m / 8.3'
Width	3.69 m / 12.1'
Depth	1.49 m / 4.9'
Weight	6850 kg / 15,100 lbs.
kWh/f <sup>2</sup>	8.4

## Certifications

Inverter	UL 1741/IEEE 1547
Battery	UL1642, UL1973RU, UN38.3

## Other System Specifications

Battery Configuration	2 x 198S4P Mega E2
Battery Capacity Nominal	548 kWh
Battery Chemistry	NMC - (LiNiMnCoO <sub>2</sub> )
Inverter	250kW (2x GTIB-480-125)
Cooling & Heating for Battery Cabinet	HVAC
Cooling for Inverter Cabinet	Forced Air
Convenience Power Outlet for Service Personnel	120 VAC NEMA galvanic isolation 500 VA