



- 1** System Controls
- 2** 30 kW Inverter
- 3** Pad Cable Entry
- 4** Energy Storage Bays
- 5** Heating & Cooling Systems

30 kW 60 kWh AC

2 Hour, 4 Hour Options

1 Day Installation

Pad-Ready AC Battery System

Compact 3.6' x 2.5'

Fits in spaces other systems can't

Round Trip Efficiency

True Entire System AC-AC 90%

Applications

Virtual Synchronous Machine

Demand Response

Peak Load Shaving

Backup Power

PV Smoothing

Microgrid

Frequency Regulation

Grid Interactive Services

System Performance & Operation

Power Delivery	30 kW AC / 30 KVA AC
Energy Delivery	60 kWh AC
Round Trip Efficiency	90 %
SGIP/ 2hr Discharge	30 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	47 A Per Phase at 480 VAC
Power Factor	0 to 1 circular P-Q
Operating Temperature	0°C to 50°C / 32°F to 122°F
3rd Party Control Interface & Protocol	TCP/RS232/RS485 Modbus

Physical characteristics

Enclosure	NEMA 3R (IP14 equiv.)
Height	2.36 m / 7.75'
Width	1.11 m / 3.63'
Depth	0.79 m / 2.59'
Weight (estimated)	975 kg / 2,150 lbs.
kWh/f ²	7.2

Certifications

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

Other system specifications

Battery Configuration	1 x 198S1P Mega E2
Battery Capacity Nominal	68.5 kWh
Battery Chemistry	NMC - (LiNiMnCoO ₂)
Inverter/PCS	30kW (1x GTIB-480-30)
Cooling & Heating for Battery Cabinet	HVAC
Cooling for Inverter Cabinet	Forced Air
Convenience Power Outlet for Service Personnel	120 VAC NEMA galvanic isolation 100 VA