



532 KWH

POWERBLOCK®

SUPER HIGH DENSITY (15.2 kWh/SqFt)

TINY (5' x 7') FOOTPRINT

Features and Benefits

- 15,000 Cycle Rated Advanced LFP Cell
- Densest Footprint in the Industry (532kWh/ 35 Sq,FT)
- Units Delivered with All Modules Preloaded, Fully Racked and Connected, Minimizing On-Site Labor Cost
- 15,000 Pound Forklift Drop (Crane not required)
- Dual Redundancy HVAC and Heating
- Off-Gas Detection with Dual Off-Gas Exhaust System
- Temperature Activated Internal Fire Suppression
- External Warning Indicator Light and E-Stop
- 1331VDC Nominal for Maximum Efficiency to PCS
- Connect Up to Four Units in Parallel Directly to 1500VDC PCS (125kVa to 1500kVa Inverter)
- Connect Up to 16 Units (8.5MWH) in Parallel With Combiner Box to Multiple 1500VDC/1500kVa PCS Units
- Meets All Certification Requirements for Permitting.

Technical Specifications

Battery Model Number	C-R1500400ESA3
Operating Voltage Range	1164 to 1496 VDC
Nominal Voltage	1331 VDC
Total Capacity / Energy	400AH / 532.4 kWh
Rated Usable Capacity / Energy	380Ah / 505Ah (@95% DOD)
Peak Input / Output Power	265.2 kW (.5C)
Optimal Operating Temperature Total	60°F to 85°F (16°C to 30°C)
Operational Temperature Range	-22°F to 130°F (-30°C to 54°C)
Warranty Period	Standard 10 Year / 20 Year Optional
Communication - HV Box to Module	CANBUS
Communication - HV Box to PCS	MODBUS / RS485
Dimensions (in)	W86" x D56" H96"
Dimensions (cm)	218cm x D142cm x H244cm
Weight	13,320 Lbs / 6041 kg
Ingress Protection	IP20 Module / IP54 Cabinet
Parallel Scalability	16 Units (8.5MWh) With Combiner Box
Certifications	IEC62619 / CE / EMC / FCC / UL1973 UL9540A: Cell, Module and System

