

# POWERBLOCK<sup>®</sup>

## 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

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