



POWER CESS 200 US

RELIABLE POWER SUPPLY

- 233 kWh outdoor-rated cabinet storage system
- All-in-one solution

SAFE TECHNOLOGY

- Multi-level protection
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- Preinstalled liquid cooled RCT Power Battery modules
- Integrated multi-level battery management system (BMS) assures optimized and well-balanced power storage

ENERGY MANAGEMENT SYSTEM

- Back-up power
- Peak shaving
- Micro-grids
- Demand mitigation
- Rate arbitration
- Self-consumption

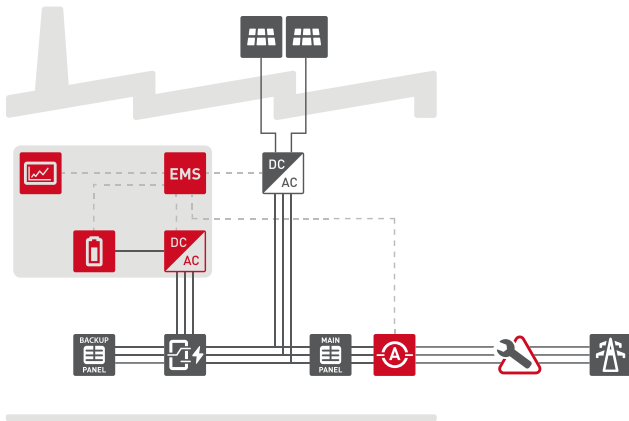
POWER CESS 200 US

INDUSTRIAL CABINET ENERGY STORAGE SYSTEM



SMART & HIGH EFFICIENCY

- Highly efficient AC/DC inverter
- Smart energy monitoring cloud platform for remote monitoring and control
- Intelligent charging and reduction of peak loads
- High degree of performance
- Multi-parallel system supported



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BATTERY

Nominal capacity	233 kWh
Battery technology	LFP
Charge / discharge rate	≤ 0.5 P (constant power)
Cooling method	liquid cooling
BMS	integrated
Rated DC voltage	832 V
DC voltage range	715 Vdc - 928 Vdc

INVERTER

Operating voltage range (DC connection)	700 Vdc - 950 Vdc
Rated DC power	125 kW
Rated AC power	125 kW
Rated AC current	150 A
Rated AC line frequency	60 Hz
Rated AC line voltage	480 Vac
Cooling method	liquid cooling

ENERGY MANAGMENT SYSTEM

EMS	Molecule Systems mOS (optional)
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COMMUNICATION

Communication protocol	Modbus TCP/RTU,CAN
Touch panel	15.6 " industrial standard
Cloud	Yes
App	Yes

OPERATION

Noise Level	≤ 75dB@1m
Relative operating humidity	0-95 %RH, no-condensation
Operating temperature range	-4 °F ~ +113 °F (-20 °C ~ +45 °C)
Operating altitude	≤ 6500 ft

DIMENSIONS (TOTAL)

Dimensions (W x H x D)	63 x 87 x 51 inches
Weight	aprox 7055 lbs

SAFTEY / STANDARDS

Protection	IP54/NEMA 3R
Corrosion-proof grade	C4

Safety features	a. Flammable / explosive gas detection b. Flammable / explosive gas exhaust c. Smoke detection d. Temperature detection	e. Aerosol fire extinguish f. Siren and strobe alarm g. Emergency stop button h. Dry pipe and sprinkle
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Certification	UN 38.3, NFPA 69, UL 1973, UL 60730, UL 9540A, UL 9540
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WARRANTY

Warranty	10 years
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