



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

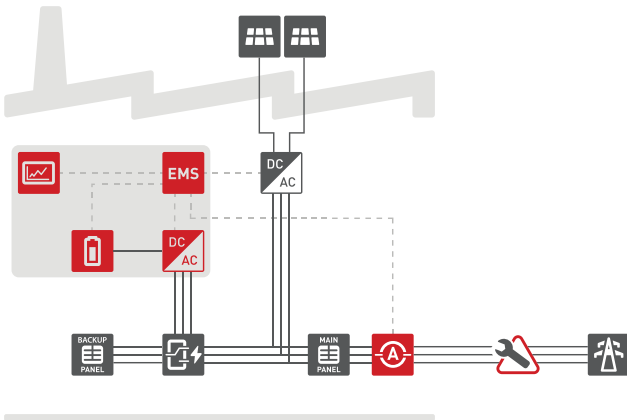
POWER CESS 200 US

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) |
|-----|---------------------------------|

COMMUNICATION

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|------------------------|----------------------------|
| 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 |
|-----------------|---|

| | |
|---------------|--|
| Certification | UN 38.3, NFPA 69, UL 1973, UL 60730, UL 9540A, UL 9540 |
|---------------|--|

WARRANTY

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|----------|----------|
| Warranty | 10 years |
|----------|----------|