



POWER CESS 200 US

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### INDUSTRIAL CABINET ENERGY STORAGE SYSTEM



hi efficiency



store and trade energy



manage energy sources and tariffs



increase self-sufficiency

### RELIABLE POWER SUPPLY

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

### SAFE TECHNOLOGY

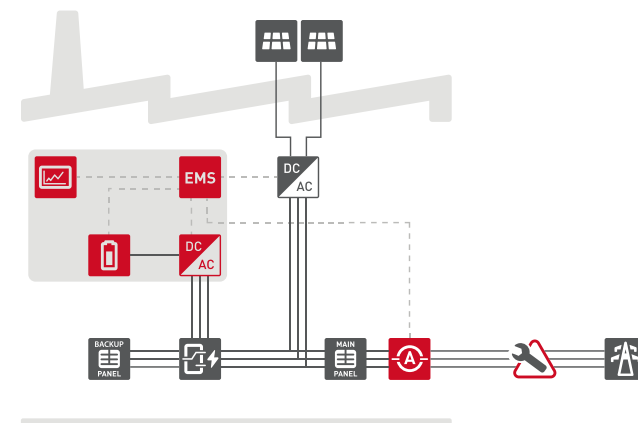
- Multi-level protection
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- Preinstalled liquid cooled RCT Power Battery modules
- Integrated multi-level battery management system (BMS) assures optimized and well-balanced power storage

### ENERGY MANAGEMENT SYSTEM

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

### 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
Usable capacity (93.5 % DoD)	217.8 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
Battery life cycle	≥ 6000 times @77 °F ±36 °F , 93.5 % DOD, 80 % SOH EOL

### INVERTER

Operating voltage range (DC connection)	500 Vdc - 950 Vdc
Rated DC current	140 A
Rated AC power	125 kW
Rated AC current	150 A
AC line voltage range	422Vac~528Vac, 3P+N+PE
Rated AC line frequency	60 Hz
Rated AC line voltage	480 Vac, 3P+N+PE

### ENERGY MANAGEMENT SYSTEM

EMS	Molecule Systems mOS (optional)
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### COMMUNICATION

Communication protocol	Modbus TCP
Touch panel	15.6 " industrial standard
Cloud	Yes
App	Yes

### OPERATION

Noise Level	≤ 75dB@1m
Relative operating humidity	0-95 %, no-condensation
Operating temperature range	-13 °F ~ +113 °F (-25 °C ~ +45 °C)
Operating altitude	≤ 6500 ft

### DIMENSIONS (TOTAL)

Dimensions (W x H x D)	63 x 87 x 51 inches
Weight	aprox 7275 lbs

### SAFETY / STANDARDS

Protection	IP54/NEMA 3R	
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	UL1973, UN38.3, UL60730-1, UL9540A, UL9540, NFPA 69, UL 1741 Supplement SB - 3rd Edition, UL 1741 Supplement SA - 3rd Edition, SunSpec compliant, California Rule 21 compliant, IEEE2030.5, IEEE1547-2018, IEEE1547.1-2020, OpenADR	

### WARRANTY

Warranty	10 years
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