

POWER CESS 200 US

POWER CESS 200 US

INDUSTRIAL CABINET ENERGY STORAGE SYSTEM



RELIABLE POWER SUPPLY

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

SAFE TECHNOLOGY

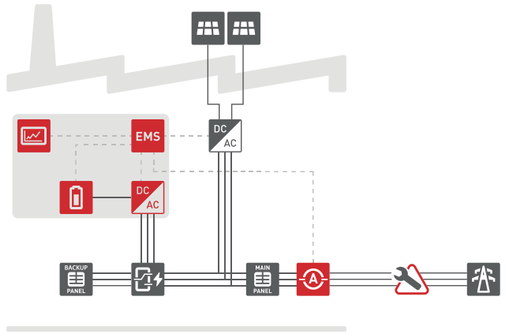
- Multi-level protection
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- Preinstalled liquid cooled RCT Power Battery modules
- Integrated multi-level battery management system (BMS) assures optimized and well-balanced power storage

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



POWER CESS 200 US

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

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

Warranty	10 years

plunkev 4030-8 St SE Calgary, AB Canada T2G 3A7 1 -855-758-6533 sales@plunkev.ca

plunk it!