



RCT POWER CESS 200 PowerStone

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM



easy to expand



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

SMART ENERGY MANAGEMENT

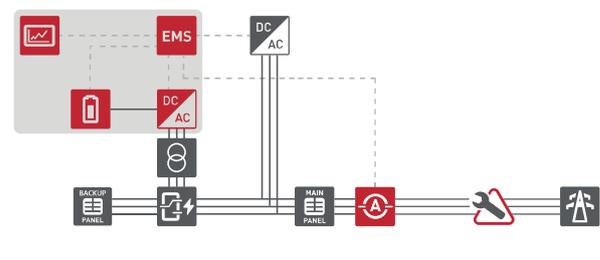
- Software RCT RPEMS
- Peak shaving
- Demand response
- Demand management
- Electricity expansion

HIGH EFFICIENCY

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

EASY OPERATION

- Compact design for smaller footprint and space saving
- One-side door design
- Unlimited number of cabinets in parallel



POWER CESS

200 PowerStone

BATTERY

Nominal capacity	233 kWh
Usable capacity	217.9 kWh
Battery technology	LiFePO ₄
Charge / discharge rate	0.5 P
Battery pack structure	1P52S
Cooling	Liquid Cooling
BMS	Integrated
Rated DC voltage	832 Vdc
DC voltage range	715 - 928 Vdc
Battery life cycle	≥6000 times @25°C±2°C, 100% DOD, 80% SOH EOL

INVERTER AC/DC

Operating voltage range (DC connection)	650 - 950 Vdc
Rated DC current	140 A
Rated DC power	125 kW
Rated AC power	125 kW
Rated AC current	180 A
AC line voltage	400 Vac ± 15%
AC line frequency	50 / 60 Hz
Peak efficiency	98.50%

ENERGY MANAGEMENT SYSTEM

EMS	Integrated
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COMMUNICATION

Communication protocol	Modbus / TCP
Touch panel	/
Cloud	Yes
App	Yes

OPERATION

Relative operating humidity	0 ~ 95 %, on-condensation
Operating temperature range	-25°C ... +45°C
Operating altitude	≤ 2000 m

DIMENSIONS (TOTAL)

Dimensions (W x H x D)	1100 x 2300 x 1340 mm
Weight	Approximately 2700 kg

SAFETY / STANDARDS

Protection	IP54
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

WARRANTY

Warranty	5 years
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