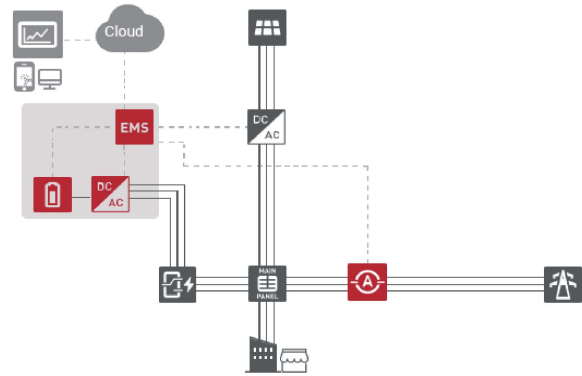




RCT POWER CESS 261

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM



HIGH EFFICIENT POWER SUPPLY

- 261 kWh Outdoor-rated cabinet storage system
- Modular, High-efficiency PCS
- Smart Energy Cloud Platform
- Multi-unit parallel support for the flexible capacity

SAFETY TECHNOLOGY

- Five-Tier Protection System: Cell-level Protection, Pack-level Shutdown, Rack-level Disconnect, PCS Isolation, Container-level Electrical Disconnect
- Lithium iron phosphate (LFP) chemistry provides highest level of safety, thermal stability and reliability
- A three-stage fire system ensures safety: continuous cell-level monitoring for early detection, automatic aerosol suppression at the source, and integrated water sprinklers for full compartment protection
- Integrated multi-level battery management system(BMS) assures optimized and well-balanced power storage

APPLICATION SCENARIOS

- Self-consumption
- T.O.U (Time of Use)
- Peak Shaving
- Third-party Power Dispatching

GENERAL

Nominal Capacity	261 kWh
Usable Capacity (95% DOD)	247.95 kWh
Maximum Charge/Discharge Rate	0.5 P
Relative Operating Humidity	0% - 95% RH, Non-condensing
Operating Temperature Range	-30°C - 50°C (>45°C derating)
Storage Temperature Range	-35°C - 55°C (Recommended 0°C to 30°C)
Operating Altitude	≤3000 m (>2000 m derating)
Dimension (mm)*	W1130×H2328×D1385
Corrosion-proof Grade of Cabinet	C5
Weight	Approximately 2700 kg
IP Rating	IP68
Noise Level	≤70 dB
Communication Protocol	Modbus TCP
Off-grid Operation	Yes
BMS	Integrated
EMS	Integrated

BATTERY

Battery Pack Quantity	5
Battery Pack Structure	1P52S
Battery Capacity per Pack	52.25 kWh
Battery Type	LiFePO ₄
DC-side Rated Voltage	832 Vdc
DC-side Operating Voltage Range	689-930.8 Vdc
Cooling	Liquid-cooling
Cycle Lifetime	≥8000 c/s (70%SOH, 25±2°C)

AC SIDE

Rated AC Power	125 kW
Rated AC Current	180 A
Rated AC Voltage	400 Vac (3P+N+PE)
AC Line Frequency	50 / 60 Hz
Long-term Overload Capacity	110%
Power Factor Adjustable Range	-1 - +1

SAFETY FEATURES

Flammable/explosive Gas Detection, Flammable/explosive Gas Exhaust, Smoke Detection, Temperature Detection, Aerosol Fire Suppression, Siren and Strobe Alarm, Water Fire Suppression, Emergency Stop Button

STANDARDS

IEC 62619, IEC 63056 (62477-1 & 62619 Cover), IEC 60730-1 Annex H, EN 62477-1, EN 62040-1, EN 61000-6-2/-4 (EMC), EN 62933-5-2, VDE-AR-E 2510-50, UN 38.3

***Note:**

1. The foundation dimension of the cabinet is 1130mm×1385mm. If we consider the Label and the door lock, the maximum dimension is W1184mm×D1421mm×H2328mm.