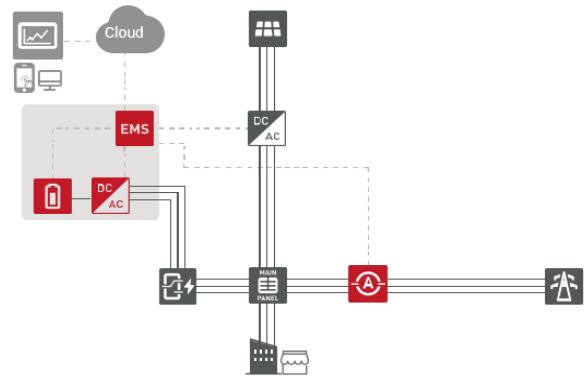# RCT POWER CESS 261

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

POWER CESS 261   CESS261-125-01D

GENERAL

Nominal Energy	261 kWh
Usable Energy (95% DOD)	247.95 kWh
Maximum Charge/Discharge Rate	0.5 P
Relative Operating Humidity	0% ~ 95% RH, Non-condensing
Operating Temperature Range	-30℃ ~ 50℃ (>45℃ derating)
Storage Temperature Range	-35℃ ~ 55℃ (Recommended 0℃ to 30℃)
Operating Altitude	≤3000 m (>2000 m derating)
Dimension (mm)*	W1130×H2328×D1385
Corrosion-proof Grade of Cabinet	C4 (C5 Optional)
Weight	Approximately 2700 kg
IP Rating	IP54
Noise Level	≤70 dB
Communication Protocol	Modbus TCP
Off-grid Operation	Yes
BMS	Integrated
EMS	Integrated

DC Side

Battery Pack Quantity	5
Battery Pack Structure	1P52S
Battery Energy 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 Method Of Pack	Liquid-cooling
Cycle Lifetime Of Battery Cell	≥8000 cls (70%SOH, 25±2℃)

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 decorative trim and the door lock, the maximum dimension is **W1184mm ×H2328mm ×D1421mm**.
2.Please contact out sales if you want to know of other relevant certifications.
3.The decorative trim of this product is an optional configuration, the standard product do not have it.

RCT power