RCT POWER GSC1000

COMMERCIAL AND INDUSTRIAL ENERGY STORAGE SYSTEM



ADVANCED TECHNOLOGY

- Ultra-fast static switch within 20 ms, low loss, realizing seamless on-grid/off-grid transition for uninterrupted power supply.
- Advanced algorithms monitor voltage, current, frequency, and phase to ensure precise grid assessment and stable operation.
- Supports MODBUS and Ethernet (TCP/IP) for easy local integration and reliable remote monitoring via EMS platforms.

Ultimate Safety

- Grid/load-side MCCBs for overcurrent/short-circuit protection, plus SPD for surge suppression.
- Self-diagnosis with real-time alarms and automatic shutdown
- Dedicated and clear access points for grid, storage, and critical loads enable safe isolation during maintenance, preventing misoperation and enhancing system reliability.

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Grid Switching Cabinet
GSC1000-742-01

Grid Side Input

Rated Voltage [Vac]	230/400 Vac
Rated Frequency [Hz]	50/60 Hz
Max. Power [kVA]	742 kVA
Max. Current [A]	1071A

Load Side Output

Rated Voltage [Vac]	230/400 Vac
Rated Frequency [Hz]	50/60 Hz
Max. Power [kVA]	500 kVA
Max. Current [A]	721 A

CESS Side Output

Rated Voltage [Vac]	230/400 Vac
Rated Frequency [Hz]	50/60 Hz
Max. Power [kVA]	242 kVA
Max. Current [A]	350 A

General Parameters

Working Voltage Range [V]	±15%
Rated Impact withstand voltage [kV]	6 kV
Rated Conditional Short-circuit Current [Icc kA]	10 kA
Industrial Frequency withstand voltage [V]	2500V/5s
AUX. Power/Voltage/Frequency [W/V/Hz]	400W/ 230 Vac Max/ 50/60Hz
Switching time from on-grid to off-grid	≤20ms
Switching time from off-grid to on-grid	≤7s
Connection	Three Phases + Neutral + PE
Relative Operating Humidity [RH]	0%~100% RH, Non-Condensing
Operating Temperature Range [℃]	-20℃ to 40 ℃
Max. Operating Altitude [m]	≤2000 m
Dimensions [mm]	W1340*H2065*D1204
Corrosion-proof Grade/Salt Spray Resistance	C4/C5 Optional
Weight [kg]	700kg
IP Rating	IP54
Noise Level [dB]	56dB
Cooling	Forced air cooling
Protection Class	Class I
Pollution Degree	PD3(outside), PD2(inside)
Overvoltage Category	III

Standard

IEC/EN 61439-1, IEC/EN 61439-2, IEC/EN 61000-6-2, IEC/EN 61000-6-4

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