

» GCB-E257 INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

125kW/257kWh



HIGH CYCLE LIFE

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of ownership.



FAST CHARGING SPEED

High charge and discharge efficiency, reducing equipment downtime and saving more time.



HIGHLY ADAPTABLE

Strong environmental adaptability, can withstand up to 60°C.



MORE SECURE

Real-time monitoring of PDU for better system protection.



EASY TO STORE

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.



MORE PORTABLE

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.



» BATTERY SIDE

Battery Type:	LFP-314Ah
Series-Parallel Configuration:	1P256S
Rated Voltage (V):	819.2
Max Charge/Discharge Current (A):	157
Rated Capacity (KWh):	257
Operating Voltage Range (V):	716.8~921.6
Cycle Life:	6000 cycles (100% charge/discharge, degrades to 80% capacity)

» AC SIDE

Grid-Connected

Rated Voltage (V):	AC400V
Voltage Range (V):	-20%~15%
Rated Current (A):	181A
Total Current Harmonic Distortion: <3% (more than 30% load)	
Power Factor:	-1~1
Frequency:	50Hz/47Hz~52Hz(60Hz/57Hz~62Hz)

Off-Grid (Optional)

Rated Voltage (V):	AC400V
Voltage Range (V):	-20%~15%
Rated Current (A):	181A
Total Current Harmonic Distortion: <3%(resistive load)	
Unbalance Degree:	100%
Frequency:	50/60Hz

» PV DC SIDE(Optional)

Max Accessible PV Power (kW):	120
Rated Voltage (V):	600V
Startup Voltage (V):	250V
MPPT Voltage Range (V):	200V-850V
Max Input Current (A):	50A+50A+50A+50A
Max Short-Circuit Current (A):	60A+60A+60A+60A
MPPT Quantity/Max String Count:	2/4

» BASIC PARAMETERS

Dimensions (W*D*H) (mm)	1845*1415*2381
Weight (t):	2.6
Operating Temperature Range:	0~50°C
Max Operating Altitude (m):	≤5000 (derate at ≥2000m)
Protection Class:	IP54
Cooling Method:	Intelligent Air Cooling
Fire Protection:	Aerosol
Communication Method:	TCP/IP