

Battery Storage

PGEM



Features



Quick installation



Flexible remote upgrade;
Remote monitoring



Auto addressing when parallel



Active balancing charging, low self
consumption



Parallel up to 32 modules



1C rate continuous charge/discharge



Multi protection to avoid over discharge



Smart BMS management for longer
lifespan

Model	PGEM
Cell Type	LFP
Rated Energy	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Max. Charge / Discharge Current	100A
Discharge Peak Current	105A / 15s, 150A / 0.5s
Parallel	Up to 32 units parallelable w/o extra device needed, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension (W × H × D)	428 × 640 × 166 mm / 16.9 × 25.2 × 6.5 in
Weight	58 kg / 127.9 lbs
Communication	CAN / RS485
Humidity	5% ~ 85%RH (No condensation)
Work Temperature	-20 ~ +55°C
Storage Temperature	-10 ~ +35°C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 years, 6000 cycles
Certification	CE; UN38.3; IEC62619
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

@25°C, 90% DOD. 0.5C testing condition