

Battery Storage

PGEM



10 years warranty



Ultra safe LFP material



Short circuit protection



Flexible remote upgrade



Wide range inverter compatibility



Parallel up to 32 modules



1C rate continuous charge/discharge



Multi protection to avoid over discharge



Smart BMS management for longer lifespan



Active balancing charging, low self consumption

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*166mm / 16.9*25.2*6.5 in
Weight		58kg / 127.9lbs
Communication		CAN/RS485
Compatible Inverter		Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
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