

# PowerGem

Load Shedding? Not On Our Watch.

## FEATURES

**1C**  
Continuous Power

**10**  
Year Warranty

**50**  
Units Stackable

**WiFi**  
Free  
Monitor

### NEAT

WiFi / Bluetooth available  
10 year warranty  
Ultra safe LFP material  
Elegant enclosure design  
Floor-standing / wall-mounting

### HANDY

Quick installation  
Remote monitoring  
Flexible remote upgrade  
Auto-addressing for master / slaves set up

### ROBUST

Parallel up to 50 modules  
Wide range inverter compatibility  
1C rate continuous charge/discharge  
Multi protection to avoid over discharge  
Smart BMS management for longer lifespan  
Quality design for robust applications  
Heating system & Fire suppression optional





Model	PowerGem
Cell Type	LFP
Rated Energy	5.12kWh
Rated Capacity	100Ah
Rated Voltage	51.2V
Charge Voltage	57.2V
Max Charge/Discharge Current	100A
Discharge Peak Current	105A / 15s, 150A / 0.5s
Parallel	Up to 50 units parallel w/o extra device needed, 256 units parallel with hub, slave battery drops offline or come back alive does not affect system running
IP Level	IP20
Dimension	390**620*170mm
Weight	54Kg
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA, Ingeteam Goodwe, Growatt, Solis, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 °C ~ +55 °C
Dod	90%
Remote Maintenance	Flexible remote monitor and maintenance. Original firmware backup to prevent upgrade failure
Warranty *	10 year, 6000 cycles
Certification	CE UN38.3 IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Stronger active balance, Low SOC protection