

PowerGem

Load Shedding? Not On Our Watch.

// FEATURES

1C
Continuous Power

10
Year Warranty

50
Units Stackable

WIFI
Free Monitor

⚙️ NEAT

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

💡 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
Fire suppression built-in, heating system 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*170*620mm
Weight	51.45Kg
Cycles	6000
Communication	CAN/RS485
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Charge/Discharge Temperature	0 ℃ ~ +55 ℃ / -20 ℃ ~ +55 ℃
Dod	90%
Remote Maintenance	Flexible remote upgrade, remote monitoring Original firmware backup to prevent upgrade failure
Warranty *	10 year, 6000 cycles (*Conditions apply, refer to HINAESS Limited Warranty Terms)
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