HINAESS
TOGETHER FOR A BLUE FUTURE

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



Guiyang, China
info@hinaess.com
www.hinaess.com

Together
For a Blue Future



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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
Cycle Life	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

* @ 25℃, 90% Dod, 0.5C testing condition