HINAESS
TOGETHER FOR A BLUE FUTURE

PowerGem Plus

51.2V/14.3kWh/6000cycles

FEATURES

0.5C Continuous Power	**10** Year Warranty	**32** Units Stackable
Neat Wall mount	**Handy** Free Monitor	**6000** Cycles

- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- Wide range inverter compatibility
- Multi protection to avoid over discharge
- Smart BMS management for longer lifespan
- Quality design for robust applications
- Fire suppression built in, wheels or foot brackets options



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

Together
For a Blue Future

HINAESS
TOGETHER FOR A BLUE FUTURE

Module Name	PowerGem Plus
Cell Type	LFP
Rated Energy	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	57.2V
Battery Charge Current(A)	140(max continuous) 150 (start limit current to 10A, retest every 10 minutes) 160 (peak1 15S) 180 (peak2 500ms)
Battery Discharge Current(A)	140(max continuous) 150(start giving over-current alarm but not stop discharging) 160 (peak1 5minutes) 200 (peak2 500ms)
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*D*H,mm)	900*475*238mm
Weight	112Kg
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	6000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20℃ ~ +55℃
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 year, 8000 cycles
Certification	CE UN38.3 IEC62619
Protection	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

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

Together
For a Blue Future