

# PowerGem Plus

51.2V/14.3kWh/8000cycles

## **FEATURES**

**0.5C**  
Continuous  
Power

**10**  
Year  
Warranty

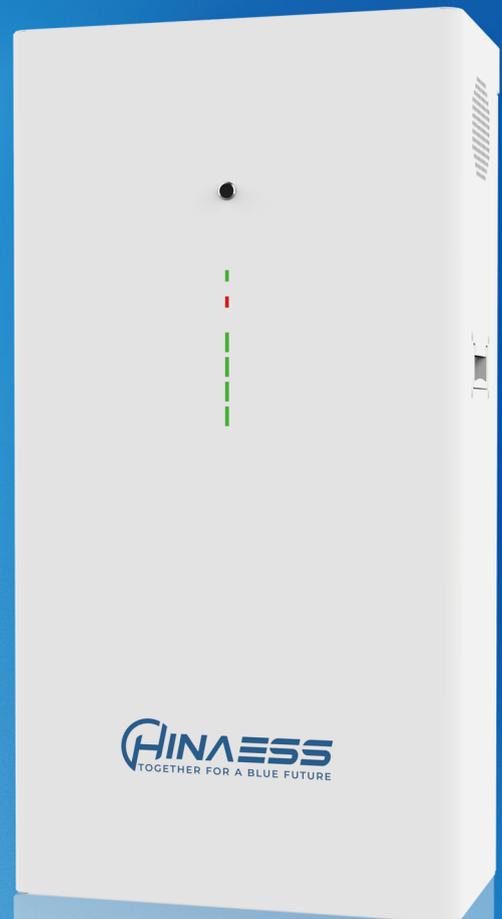
**32**  
Units  
Stackable

**Neat**  
Wall  
mount

**Handy**  
Free  
Monitor

**8000**  
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
- Active balancing charging, low self consumption



Module Name	PowerGem Plus
Cell Type	LFP
Rated Power	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5
Battery Charge Current(A)	140(max continuous) 145 (start limit current to 2.8A, retest every 10 minutes) 160 (peak1 15S) 200 (peak2 500ms)
Battery Discharge Current(A)	140(max continuous) 145(start giving over-current alarm but not stop discharging) 160 (peak1 15S) 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
Weigh	115Kg
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ℃ ~ +55 ℃
Storage Temperature	-10 ℃ ~ +35 ℃
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