

# PowerGem Plus

51.2V/14.3kWh/8000cycles

## **FEATURES**

<b>0.5C</b> Continuous Power	<b>10</b> Year Warranty	<b>32</b> Units Stackable
<b>Neat</b> Wall mount	<b>Handy</b> Free Monitor	<b>8000</b> Cycles

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



## 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 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(W*D*H,mm)	900*475*237.5mm
Weight	120Kg
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA, Ingeteam Goodwe, Growatt, Solis, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Charge/DischargeTemperature	0℃~ +55℃ / -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