

PowerGem Plus

FEATURES

0.5C Continuous Power	10 Year Warranty	32 Units Stack able
Neat Wall mount	Handy Free Monitor	8000

- 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) 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
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 5%~85% RH (No condensation)
Humidity	-20 °C ~ +55 °C
Work Temperature	-10 °C ~ +35 °C
Storage Temperature	Flexible remote upgrade,
Remote Maintenance	Original firmware backup to prevent upgrade failure 10 year, 8000 cycles
Warranty *	CE UN38.3 IEC62619
Certification	Over charge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection
Protection	Charge balance, Low SOC protection