

PowerGem Max

51.2V/16kWh/8000cycles

FEATURES

200A
Continuous Power

10
Year Warranty

50
Units Stackable

3
ways to install

WiFi
Free Monitor

8000
Cycles

- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- WiFi / Bluetooth available
- Wide range inverter compatibility
- Multi protection to avoid over discharge
- Smart BMS management for longer lifespan
- Heating system optional, quality design for robust applications
- Stackable / floor-standing / wall-mount installations
- Fire suppression built in, wheels or foot brackets options





Module Name

PowerGem Max

| | |
|------------------------------|---|
| Cell Type | LFP |
| Rated Energy | 16.076kWh |
| Rated Capacity | 314Ah |
| Rated Voltage | 51.2V |
| Charge Voltage (Vdc) | 57.2V |
| Battery Charge Current(A) | 160(max continuous) 165 (start limit current to 10A, retest every 10 minutes) 180 (peak1 15S) 200 (peak2 500ms) |
| Battery Discharge Current(A) | 200(max continuous) 205(start giving over-current alarm but not stop discharging) 210 (peak1 2minutes) 220 (peak2 500ms) |
| 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(W*D*H,mm) | 900*445*235mm |
| Weight | 114.8Kg |
| 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 Temperature | -20 °C ~ +55 °C |
| Remote Maintenance | Flexible remote monitor and maintenance, 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°C, 90% Dod, 0.5C testing condition