

# PowerGem Max

51.2V/16kWh/8000cycles

## FEATURES

|                                 |                             |                              |
|---------------------------------|-----------------------------|------------------------------|
| <b>200A</b><br>Continuous Power | <b>10</b><br>Year Warranty  | <b>50</b><br>Units Stackable |
| <b>3</b><br>ways to install     | <b>WiFi</b><br>Free Monitor | <b>8000</b><br>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)<br>165 (start limit current to 10A, retest every 10 minutes)<br>180 (peak1 15S)<br>200 (peak2 500ms)                                      |
| Battery Discharge Current(A)     | 200(max continuous)<br>205(start giving over-current alarm but not stop discharging)<br>210 (peak1 2minutes)<br>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                           | 113Kg   |
| Communication                    | CAN/RS485   |
| Robust Applications              | Auto-addressing and stronger protection   |
| DOD                              | 90%   |
| Cycles                           | 8000  |
| Compatible Inverter              | Victron, Luxpower, Deye, Voltronic, SMA, Ingeteam<br>Goodwe, Growatt, Solis, Sofar, Solark, SRNE, Must  |
| Humidity                         | 5%~85% RH (No condensation)   |
| Work Charge/DischargeTemperature | 0℃ ~ +55℃ / -20℃ ~ +55℃   |
| Remote Maintenance               | Flexible remote monitor and maintenance,<br>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<br>Short circuit protection, Reverse connection protection<br>Charge balance, Low SOC protection |

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