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Tesla Solar SA

# PowerGem Max

51.2V/16kWh/6000cycles

## FEATURES

| | | |
|---|---|---|
| 200A Continuous Power | 10 Year Warranty | 35 Units Stack able |
| 3 ways to install | WiFi Free Monitor | 6000 Cycles |

- Ultra safe LFP material
- Short circuit protection
- Flexible remote upgrade
- WiFi / Bluetooth available
- Wide range inverter compatibility
- Multi protection to avoid over disc
- Smart BMS management for long
- Heating system optional, quality d
- Stackable / floor-standing / wall-m
- Fire suppression built in, wheels o




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| Module Name | PowerGem Max |
|---|---|
| Cell Type | LFP |
| Rated Energy | 16.076kWh |
| Rated Capacity | 314Ah |
| Rated Voltage | 51.2V |
| Charge Voltage (Vdc) | 57.2V 160(max |
| Battery Charge Current(A) | 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 35 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*445*230mm |
| Weight | 120Kg |
| Communication | CAN/RS485 |
| Robust Applications | Auto-addressing and stronger protection |
| DOD | 90% |
| Cycles | 6000 |
| Compatible Inverter | Victron, Luxpower, Deye, Voltronic, SMA<br>Goodwe, Growatt, Sofar, Solark, SRNE, Must |
| Humidity | 5%~85% RH (No condensation) |
| Work Temperature | -20 ℃ ~ +55℃ |
| Remote Maintenance | Flexible remote upgrade,<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 C, 90% Dod, 0.5C testing condition