

PGEM MAX



Features



50 units stackable



200A continuous current



Ultra safe LFP material
10 years warranty with 8000cycles



Flexible remote upgrade



Smart BMS management for longer lifespan



Multi protection to avoid over discharge
Short circuit protection



Active balancing charging, low self consumption



Stackable, floor-standing, wall-mount,
with wheels or foot brackets options



Integrated fire protection with optional
suppression module

Model	PGEM MAX
Cell Type	LFP
Rated Energy	16.076kWh
Rated Capacity	314Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Battery Charge Current	160A (Max. continuous) 165A (Start limit current to 10A, retest every 10min) 180A (Peak1 15s) 200A (Peak2 500ms)
Battery DisCharge Current	200A (Max. continuous) 205A (Start giving over-current alarm but not stop discharging) 210A (Peak1 120s) 220A (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)	900 × 445 × 235 mm / 35.4 × 17.5 × 9.25 in
Weight	114.8 kg / 253.1 lbs
Communication	CAN / RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Humidity	5% ~ 85%RH (No condensation)
Work Temperature	-20 ~ +55°C
Remote Maintenance	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 years, 8000 cycles
Certification	CE; UN38.3; IEC62619
Protection	Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection

@25°C, 90% DOD. 0.5C testing condition