

PGEM PRO



Features



Flexible remote upgrade



32 Units Stackable



Ultra safe LFP material
10 years warranty with 8000 Cycles



0.5C Continuous Power



Active balancing charging, low self consumption



Multi protection to avoid over discharge;
Short circuit protection



Smart BMS management for longer lifespan

Model	PGEM PRO
Cell Type	LFP
Rated Energy	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage	56.5V
Battery Charge Current	140A (Max. continuous) 150A (Start limit current to 10A retest every 10 min) 160A (Peak1 15s) 180A (Peak2 500ms)
Battery DisCharge Current	140A (Max. continuous) 150A (Start giving over-current alarm but not stop discharging) 160A (Peak1 5min) 200A (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 × H × D)	475 × 900 × 238 mm / 18.7 × 35.4 × 9.4 in
Weight	115 kg / 253.5 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
Storage Temperature	-10 ~ +35°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