

Battery Storage

PGEM PRO



0.5C Continuous Power



10 years warranty
with 8000 Cycles



32 Units Stackable



Ultra safe LFP material



Short circuit protection



Flexible remote upgrade



Wide range inverter
compatibility



Multi protection to avoid
over discharge



Smart BMS management
for longer lifespan



Active balancing charging,
low self consumption

Model	PGEM PRO
Cell Type	LFP
Rated Energy	14.3kWh
Rated Capacity	280Ah
Rated Voltage	51.2V
Charge Voltage (Vdc)	56.5V
Battery Charge Current (A)	140 (max. continuous) 150 (start limit current to 10A, retest every 10 minutes) 160 (peak1 15S) 180 (peak2 500ms)
Battery DisCharge Current (A)	140 (max. continuous) 150 (start giving over-current alarm but not stop discharging) 160 (peak1 5minutes) 200 (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*238mm / 18.7*35.4*9.4 in
Weight	115kg / 253.5lbs
Communication	CAN/RS485
Robust Applications	Auto-addressing and stronger protection
DOD	90%
Cycles	8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA Goodwe, Growatt, Sofar, Solark, SRNE, Must
Humidity	5%~85% RH (No condensation)
Work Temperature	-20 ~ +55 ℃
Storage Temperature	-10 ~ +35 ℃
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℃, 90% DOD. 0.5C testing condition