

51.2V/314Ah/16.076kWh



PowerShield Max

FEATURES

- Parallel up to 32 modules.
- 8000 cycles, 10 year warranty.
- Auto addressing when parallel.
- Wide range inverter compatibility.
- 0.5C rate continuous charge/discharge.
- Handy monitor & flexible remote upgrade.
- Second level protection, robust applications.
- Smart BMS management for longer lifespan.
- Quality design for robust applications.
- Heating system built in, designed for outdoor use
- Fire suppression built in, wheels or foot brackets options
- Top box optional to hide exposed wires



Half
Crate Continuous Power

10
Year Warranty

32
Units Stackable

65
IP65 for Outdoor Use

Model Name		PowerShield 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)
		165 (start limit current to 10A, retest every 10 minutes)
		180 (peak1 15S), 200 (peak2 500ms)
Battery Discharge Current(A)		200 (max continuous)
		205 (start giving over-current alarm but not stop discharging)
		210 (peak1 120S), 220 (peak2 500ms)
Max. Continuous Discharge Rate		10.24kW
Parallel	Up to 32 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		IP65
Dimension(W*D*H,mm)		900*475*235mm
Weight		119Kg
Communication		CAN/RS485
Robust Applications		Auto-addressing and stronger protection
DOD		90%
Cycles		8000
Compatible Inverter	Victron, Luxpower, Deye, Voltronic, SMA, Ingeteam, Goodwe, Growatt, Solis, Sofar, Solark, SRNE, Must	
Humidity		5%~85% RH (No condensation)
Work Charge/Discharge Temperature		0 °C ~ +55 °C / -20 °C ~ +55 °C
Remote Maintenance		Flexible remote upgrade,
		Original firmware backup to prevent upgrade failure
Warranty *		10 year, 8000 cycles
Certification		CE UN38.3 IEC62619 UL1973 UL9540A
Protection		Over charge/discharge/current/voltage/temperature protection
		Short circuit protection/Reverse connection protection/Charge balance/Low SOC protection

*@ 25°C. 90% Dod. 0.5C testing condition



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