

Battery Storage

PSHIELD/PSHIELD MAX (Low voltage)



Features



IP65 Outdoor Protection

Built-in heating system and sealed enclosure for reliable operation in harsh or extreme weather.



Remote Monitoring & Firmware Upgrade

Handy access for diagnostics, updates, and long-term maintenance.



Ultra Safe LFP Material

Long-lifespan LiFePO₄ cells with over 8000 cycles and 10-year warranty.



Parallel Scalability

Supports up to 32-50 modules in parallel, with auto-addressing for easy system expansion.



Efficient Power Delivery

Up to 200A continuous discharge and 0.5C charge/discharge rate for stable performance.



Smart BMS Management

Multi-level safety for overcharge, over-discharge, short circuit, and temperature control.



Flexible Installation (MAX Only)

Optional wheels or standing foot design for easy movement and setup.



Enhanced Fire Safety

Integrated fire protection with built-in suppression module

Model		PSHIELD	PSHIELD MAX
Electrical			
Rated Energy		5.12kWh	16.076kWh
Rated Capacity		100Ah	314Ah
Rated Voltage		51.2V	51.2V
Charge/ Discharge Current	(Recommend)	50A	160A
	(Max. Continuous)	100A	160A / 200A
	(Peak 1)	105A (Peak1 15s)	180A (Peak1 15s) / 210A (Peak1 120s)
	(Peak 2)	110A (Peak2 500ms) / 150A (Peak2 500ms)	200A (Peak2 500ms) / 220A (Peak2 500ms)
Charge/Discharge Rate		1C	0.5C

General		
Cell Type	LFP	
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	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
Dimension (W × H × D)	450 × 680 × 171.5 mm 17.72 × 26.77 × 6.75 in	475 × 900 × 235 mm 18.7 × 35.4 × 9.25 in
Weight	56.65 kg / 124.89 lbs	119 kg / 263.35 lbs
IP Level	IP65	
Robust Applications	Auto-addressing and stronger protection	
Communication	CAN / RS485	
Humidity	5% ~ 85%RH (No condensation)	
Work Temperature	-20 ~ +55°C, heating system built-in	
Storage Temperature	-10 ~ +35°C	
Remote Maintenance	Flexible remote monitor and maintenance, Original firmware backup to prevent upgrade failure	Flexible remote upgrade, Original firmware backup to prevent upgrade failure
Warranty *	10 years, 6000 cycles	10 years, 8000 cycles
Certification	CE; UN38.3; IEC62619	CE; UN38.3; IEC62619; UL1973; UL9540, FCC, IP65
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