

Battery Storage

PSHIELD/PSHIELD PRO/ (Low voltage) PSHIELD MAX



Features



IP65 Outdoor Protection

Sealed enclosure for reliable outdoor use



Flexible Scalability

Up to 32-50 modules in parallel



Smart BMS

Advanced multi-layer protection



Remote Monitoring

Real-time diagnostics and OTA updates



Flexible Installation (MAX Only)

Optional wheels or standing feet



10-Year Warranty

Reliable LiFePO4 performance



High Power Output ^①

Up to 200A continuous discharge



Built-in Heating

Ensures stable charging in low temperatures



Built-in Fire Suppression

Automatic fire protection for enhanced safety

Model		PSHIELD	PSHIELD PRO	PSHIELD MAX
Electrical				
Rated Energy		5.12kWh	16.076kWh	16.076kWh
Rated Capacity		100Ah	314Ah	314Ah
Rated Voltage		51.2V	51.2V	51.2V
Charge/ Discharge Current	Recommend	50A	TBD	160A
	Max. Continuous	100A	157A	160A / 200A
	Peak 1	105A (15s)	180A (15s) / 210A (120s)	
	Peak 2	110A (500ms) / 150A (500ms)	200A (500ms) / 220A (500ms)	
Charge/Discharge Rate		1C	0.5C	
General				
Cell Type		LFP		
Parallel		Up to 50 units parallel without 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 without 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 × 151.5 mm 17.72 × 26.77 × 5.96 in	419.5 × 914.5 × 230 mm 16.52 × 35.98 × 9.06 in	475 × 900 × 235 mm 18.7 × 35.4 × 9.25 in
Weight		46.96 kg / 103.53 lbs	119 kg / 263.35 lbs	119 kg / 263.35 lbs
IP Level		IP65		
Cycle Life		≥6000 Cycles	≥8000 Cycles	≥8000 Cycles
Wifi/Bluetooth		Built-in	Built-in	\
Fire Suppression		Built-in		
Heating System		Built-in	Optional	Built-in
Robust Applications		Auto-addressing and stronger protection		
Communication		CAN / RS485		
Humidity		5% ~ 85%RH (No condensation)		
Work Charge/Discharge Temperature		0 ~ +55°C / -20 ~ +55°C		
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 ②		10 years, 6000 cycles		
Certification		CE; UN38.3; IEC62619	CE; UN38.3; IEC62619	CE; UN38.3; IEC62619; UL1973; UL9540; FCC
Protection		Overcharge/discharge/current/voltage/temperature protection Short circuit protection, Reverse connection protection Charge balance, Low SOC protection		

①: Available on PSHIELD MAX model

②: @25°C, 90% DOD. 0.5C testing condition