

Battery Storage

PSHIELD/PSHIELD MAX (Low voltage)



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 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 (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 × 171.5 mm 17.72 × 26.77 × 6.75 in	475 × 900 × 235 mm 18.7 × 35.4 × 9.25 in
Weight		60 kg / 132.28 lbs	119 kg / 263.35 lbs
IP Level		IP65	
Cycle Life		≥6000 Cycles	≥8000 Cycles
Wifi/Bluetooth		Built-in	\
Fire Suppression		Built-in	
Heating System		Optional	
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	10 years, 6000 cycles
Certification		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