

Y1

PowerPal-Y1 is suitable for residential energy storage system, use stored energy to power your home during an outage.



< 5 kWh / 10 kWh >

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Product Features



Long Life And Safety

6000 cycles with 80% DOD, high-quality prismatic battery cell



Intelligent

With independent smart BMS system, manages power output effectively



Compatibility

Compatible with most of the available Hybrid inverters



Backup Protection

Stores energy, detects outages and automatically becomes energy source



Plug In And Play

Plug in batteries then working, easy to install and set up



Safety Cert

UL1642, IEC62619, CE, UN38.3, MSDS.

Product Specifications

Model	PP-Y1-5kWh	PP-Y1-10kWh
Nominal Voltage	48V	
Nominal Capacity	100Ah	200Ah
Battery Cell	3.2V 100Ah Prismatic Battery Cell	
Parallel Capacity	yes,15units maximum	
Max.Charge Current	100A	
Max.Discharge Current	100A	
Discharge Voltage Range	41 - 54.5V	
Charge Voltage Range	53.5 - 54.5V	
Design life	15+ Years (25°C/77°F)	
Cycle life	> 6000 Cycles, 25°C	
Communication Port	CAN,RS485,RS232	
Size (L*W*H)	680*485*220mm	
Weight	68Kg±1Kg	98Kg±1Kg
Working Temperature	-10~50°C	
Shelf Temperature	-20~50°C	
Humidity	5%~95%	
Lithium Battery Standard	UL1642/IEC62619/UN38.3/ROHS/CE-EMC	

Cooperative Inverter Brands













