

Introduction

CRW2QV-10kWh is an All-in-one Single-Phase Off-Grid energy storage system, consisting of an inverter and 5kWh battery modules. According to demand, 1-4 battery modules can be selected. It is widely used in household appliances, office equipment, entertainment system, backup power source and other fields.



Features

- All-in-one design concept, including inverter and batteries.
- Modular design, easy installation and maintenance.
- Flexible for different households with different battery capacity and power options.
- 6000+ cycles of lifecycle

SPECIFICATIONS

ITEMS		DESCRIPTION	NOTE
Battery Cell		Cell Type: LiFePO4	Model: 3.2V100Ah
Battery Module		1P16S	
Nominal Voltage		51.2V	
Operating Voltage		44.8V~59.2V	
Nominal Capacity		10KWh	25±2°C, @0.5C
Maximum Continuous Charge Current		100A	
Level 1 Overcurrent Protection		120A	
Level 2 Discharge Overcurrent Protection		150A	
Short Circuit Protection		400A-800A	
Balance		Supported	Passive balance, balance current > 100mA
Operating Temperature	Charge	0~50°C	
	Discharge	-20~55°C	
Input	PV Input	120~500Vac, Max 50A, Max 5200W	
	AC Input	220/230Vac, 50/60Hz, Max 60A	
Output	AC Output	110/120Vac, 50/60Hz, Max 40A	
Communication Method		230Vac(200/208/220/240Vac), 50/60Hz Sine Wave, Rated 5000W	
Wi-Fi		120Vac(100/105/110Vac), 50/60Hz Sine Wave / Rated 5000w	
Storage Environment Humidity		5%~85%	

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Size	670*150*1340mm	1Inverter+2Battery module
Weight	~106Kg	1Inverter+2Battery module
Altitude	≤2000m	
Cycle Life	6000 Cycles @25°C 70%EOL @0.2Ccharge & 0.5c discharge,80% DOD	
Protection Rating	Inverter: IP20, Battery: IP54	
Certification	UL9540, IEC62109-1, UL1741, IEC62619, UL1973, UN38.3	Based on local requirement

BATTERY MODULAR SCALABILITY				
Battery Modularity	1	2	3	4
Capacity	5KWh	10KWh	15KWh	20KWh
Dimension	670 x 150 x 910mm	670 x 150 x 1340mm	670 x 150 x 1768mm	670 x 150 x 2196mm
Weight	~58Kg	~106Kg	~154Kg	202Kg