

## Introduction

CR0200-5KWh is a home energy storage LiFePO4 battery pack and it provides safe, reliable and fully integrated solution for grid frequency and peak regulation, and backup power.



## Features

- Compatible with mainstream inverters
- Flexible installation, support rack/wall/floor mounted Modular design and max. 32 batteries in parallel
- Long cycle life with >6000 cycles @ 0.2C, 90% DOD, 25°C

### BATTERY SPECIFICATIONS

ITEMS		DESCRIPTION
Nominal Voltage		51.2V
Nominal Energy		5.12KWh
Usable Energy		4.92KWh
Nominal Capacity		100Ah
Charge Voltage		56.0V
Float Voltage		54.6V
Allowed Max Charge Current		70A
Recommended Charge Current		≤50A
Allowed Max Discharge Current		100A
Recommend Discharge Current		≤50A
Peak/Surge Current Limit		<119A@5mins, <200A@15s
Short Circuit Protection		Yes
End Discharge	Re-charge Voltage	50.0V
	Inverter/Load Cut Off	48.0V
	Re-start Voltage	52.0V
Communication		CAN/RS-485
Parallel and Series Connection		Support, Max. 32 in Parallel
Terminal and Torque		Plug &Play
IP Rating		IP21
Dimension (W x H x D)		442 x 133.5 x 460mm
Weight (Without Accessories)		~46kg(101lb)
Short Circuit Protection		Auto cutoff load when short circuit

# Low Voltage Rack ESS Battery

CR0200-5KWh Datasheet



ITEMS		DESCRIPTION
Operation Temperature		-10~50°C (With Communication)
Operation Altitude		<3000M
Self-discharge Rate	Residual Capacity	<3%/month   ≤15%/year
	Recover Capacity	≤1.5%/Month   ≤8%/ year
Storage Environment		<6 months @ 0°C<T<30°C
		≤3 months @ -10°C<T<45°C
		Recommend environment 15~35°C   5~75%RH
Certification		CE, IEC62619, UN38.3, MSDS
Installation Types		Rack mounted Wall mounted (with additional kits) Floor mounted(with additional kits) Stack (with additional kits)
Cycle life		≥6000 Cycles @0.2C, 90%DOD
<p>1. Battery pack will stop work to protect itself when the temperature is out of the operation range. The optimum operating temperature range is from 15°C to 35°C. Frequent exposure to the harsh temperatures may worsen the performance of the battery pack and cycle life.</p> <p>2. These conditions is based on battery pack is in sleep or power off mode.</p> <p>3. For long time storage, we recommend charge the battery over 50% SOC and if the battery does not have a sleep or power off mode, please consult QVWI first.</p>		