

RESIDENTIAL BATTERY

RT 5120

Low Voltage



Full automatic manufacturing products



Standard 3U rack modular design



100% tested for safety, readability and capacity



Precise voltage / temperature / SOC detection



Top-notch LFP Class A cell / Strict capacity grading



One button start / stop and parallel connection

DATASHEET

Model		RT 5120
Performance		
Cell technology	LFP (LiFePO ₄)	
Battery usable energy [1]	5.12 kWh	
Nominal voltage	51.2 V	
Operating voltage	44.8 ~ 56.16 V	
Max. charge and discharge current [2]	100 A	
Communication		
Display	SOC status indicator, LED indicator	
Communication	CAN / RS485 / RS232	
General Specification		
Dimension (W×D×H)	440×550×130 mm	
	17.3×21.7×5.1 inch	
Weight	46 kg (101.4 lbs)	
Installation	Rack / Wall / Cabinet-Mounted	
Operating temperature [3]	Charge: 0 to 50°C (32 to 122°F) Discharge: -15 to 50°C (5 to 122°F)	
Environmental humidity	≤ 95%RH (No condensation)	
Ingress protection rating	IP20	
Warranty Period [4]	10 years	
Scalability	Max. 15 batteries in parallel	
Application	ON Grid / ON Grid + Backup / OFF grid	
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)	
Standard Compliance		
Compliance	UN38.3 / IEC62619 / IEC61000 (More available upon request)	
Ordering and Delivery Parts		
Parts	RT 5120 Battery	
	RT 5120 Parallel cable	
	RT 5120 to PCS cable	

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] There is 0.5C or 1C configurations optional in factory default.

[3] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions.