



Residential Battery

RT 5320 / RT 11.77 | Low Voltage



Versatile Solutions

Meet diverse home energy needs with LFP batteries that last up to 6,000 cycles, ensuring safety and reliability.



Hassle-Free Setup

Easily choose between rack, wall, or cabinet-mounted, and effortless maintenance.



Flexible and Expandable:

Modular design, easily connect up to 15 units in parallel, don't worry about future power increases in your home.



Smart Home

Use your smartphone to control your home energy freely.

Datasheet

CE UN38.3 UK IEC RoHS

Model	RT 5320	RT 11.77
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Performance

Cell technology	LFP (LiFePO ₄)	
Battery usable energy [1]	5.324 kWh	11.776 kWh
Nominal voltage	51.2 V	51.2 V
Operating voltage	44.8 - 56.16 V	44.8 - 56.16 V
Max.charge and discharge current [2]	104 A	205 A

Communication

Display	SOC status indicator, LED indicator
Communication	CAN/RS485 / RS232

General Specification

Dimension (W×D×H)	440×550×130 mm	440×600×220 mm
	17.3×21.7×5.1 inch	17.3×23.6×8.7 inch
Weight	46 kg (101.4 lbs)	80 kg (176.4 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	IP 20	
Cycle life [4]	6000 Cycles or ten (10) years @ 80% DOD / 25°C / 0.5C, 70% EOL	
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)
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Ordering and Deliverable Part

Part	RT 5320 Battery	RT 11.77 Battery
	RT 5320 Parallel cable	RT 11.77 Parallel cable
	RT 5320 to PCS cable	RT 11.77 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, the warranty is due whichever comes first.