






# 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 <sub>4</sub> )	
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 (WxDxH)	440x550x130 mm	440x600x220 mm
	17.3x21.7x5.1 inch	17.3x23.6x8.7 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.