

Model

RT 5120 / RT 5320



More Usable Energy
100% Depth of Discharge



Flexible Investment
Modular Design
Max 15 batteries in parallel



Safe & Reliable
Premium Lithium Iron Phosphate(LFP)
6000 Cycles



Easy Installation
Rack / Wall / Cabinet-Mounted



Quick Commissioning
Automatic ID Assignment



Perfect Compatibility
Compatible with Major PCS Brands

DATASHEET

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Performance

Cell technology	LFP (LiFePO4) / BYD brand	LFP (LiFePO4)
Battery usable energy [1]	5.12 kWh	5.32 kWh
Nominal voltage	51.2 V	51.2 V
Operating voltage	45.6 – 56.16 V	45.6 – 56.16 V
Nominal output current	100 A / 50 A	100 A / 50 A
BMS protection current	110 A, 1 s	110 A, 1 s

Communication

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

General Specification

Dimension (W*D*H)	440×550×130 mm	440×550×130 mm
	17.3×21.6×5.12 inch	17.3×21.6×5.12 inch
Weight	45 kg (99 lbs)	46 kg (101 lbs)
Installation	Rack / Wall / Cabinet-Mounted	
Operating temperature [2]	-20 to 60 °C (-4 to 140 °F)	
Environmental humidity	≤ 95%RH (No condensation)	
Protection rating	IP 20	
Cycle life [3]	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% 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

Certificates	Cell: UN38.3 / IEC62619 / UL 1642 / JET
	Battery pack: UN38.3 / IEC62619 / IEC61000 / UKCA (More available upon request)

Ordering and Deliverable Part

Part	RT5120 Battery	RT5320 Battery
	RT5120 to PCS cable	RT5320 to PCS cable
	RT5120 Parallel cable	RT5320 Parallel cable

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

[2] Charge/discharge derating occurs when the operating temperature from -10°C to 5 °C & 45 °C to 55 °C

[3] Condition apply. Refer to Warranty Letter