

# EENOVANCE

## RESIDENTIAL BATTERY



### RT 5120 | Low Voltage

-  Full automatic manufacturing products
-  100% tested for safety, readability and capacity
-  Top-notch LFP Class A cell / Strict capacity grading
-  Standard 3U rack modular design
-  Precise voltage / temperature / SOC detection
-  One button start / stop and parallel connection

# DATASHEET

Model	RT 5120
<b>Performance</b>	
Cell technology	LFP ( LiFePO <sub>4</sub> )
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
<b>Communication</b>	
Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232
<b>General Specification</b>	
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)
<b>Standard Compliance</b>	
Compliance	UN38.3 / IEC62619 / IEC61000 (More available upon request)
<b>Ordering and Delivery Parts</b>	
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.