







# 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.