EENOVANCE

COMMERCIAL BATTERY

RT 5.12-HX

(High Voltage)

20.48~61.44kWh



- Full automatic manufacturing, CCS technique
- Precise voltage / temperature / SOC detection
- Top-notch LFP Class A cell / Strict capacity grading
- Build in WIFI for monitoring and firmware update
- Plug&play wiring cable, easy installation
- LCD display shows data visually
- Modular design, 20-61kWh flexible configuration

info@eenovance.com www.eenovance.com

EENOVANCE

DATASHEET

Model	RT 5.12-H4 RT 5.12-H7	RT 5.12-H5 RT 5.12-H8	RT 5.12-H6	RT 5.12-H9 RT 5.12-H11	RT 5.12-H10 RT 5.12-H12
Performance					
Cell technology	LFP ($LiFePO_4$)				
Battery mudule	5.12 kWh, 51.2 V, 43 kg				
Number of modules	4	5	6	9	10
	7	8		11	12
Battery usable energy [1]	20.48 kWh	25.6 kWh	30.72 kWh	46.08 kWh	51.2 kWh
	35.84kWh	40.96 kWh		56.32 kWh	61.44kWh
System Nominal voltage	204.8 V	256 V	307.2 V	460.8 V	512 V
	358.4 V	409.6 V		563.2 V	614.4 V
System Operating voltage	179.2 ~ 224.64 V	224.0 ~ 280.80 V	268.8 ~ 336.96 V	403.2-505.44 V	448.0-561.60 V
	313.6-393.12 V	358.4-449.28 V		492.8-617.76 V	537.6-673.92 V
System Max. continuous charge and discharge current [2]	100 A				
Communication					
Display	LCD Display (battery operating status, SOC, alerts, etc.)				
Communication	CAN / RS485 / RS232 / Wi-Fi / LAN				
General Specification					
Dimension (W×D×H)	566×630×1652 mm			566×630×2220 mm	
	22.3×24.8×65.0 inch			22.3×24.8×87.4 inch	
Weight	250 kg (551.2 lbs)	295 kg (650.4 lbs)	340 kg (749.6 lbs)	542.5 kg (1196.0 lbs)	628.5 kg (1385.6 lbs)
	385 kg (848.8 lbs)	430 kg (948.0 lbs)		585.5 kg (1290.8 lbs)	671.5 kg (1480.4 lbs)
Installation	Floor stand				
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. 12 modules per stack, 15 stacks 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 / IEC62040-1 / IEC61000-6-2 / IEC61000-6-4 / IEC62477-1 (More available upon request)				
Ordering and Delivery Parts					
Parts	RT-5.12-QC-A (Battery Pack)				
	RT 5.12-H-BCU (Battery Control Unit)				
	RT-R8-A (Battery Rack)			RT-R12-A (Battery Rack)	

[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.

EN V2.1 202505. Information may be subject to change without notice during product improving. Copyright © 2025 Shenzhen EEnovance Energy Technology Co., Ltd. All rights reserved.