








EENOVANCE

COMMERCIAL BATTERY



RT 5.12-HX High Voltage | 20.48~61.44kWh

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

DATASHEET

Model	RT 5.12-H4	RT 5.12-H5	RT 5.12-H6	RT 5.12-H7	RT 5.12-H8
	RT 5.12-H9	RT 5.12-H10	RT 5.12-H11	RT 5.12-H12	
Performance					
Cell technology	LFP (LiFePO4)				
Number of modules	4	5	6	7	8
	9	10	11	12	
Battery usable energy [1]	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh
	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh	
Nominal voltage	204.8 V	256 V	307.2 V	358.4 V	409.6 V
	460.8 V	512 V	563.2 V	614.4 V	
Operating voltage	179.2 ~ 224.64 V	224.0 ~ 280.80 V	268.8 ~ 336.96 V	313.6 ~ 393.12 V	358.4 ~ 449.28 V
	403.2 ~ 505.44 V	448.0 ~ 561.60 V	492.8 ~ 617.76 V	537.6 ~ 673.92 V	
Max. continuous charge and discharge current [2]	100 A				
Communication					
Display	LCD display				
Communication	CAN / RS485 / RS232 / Wi-Fi / LAN				
General Specification					
Dimension (W×D×H)	566×630×2220 mm				
	22.3×24.8×87.4 inch				
Weight	327.5 kg (722.0 lbs)	370.5 kg (816.8 lbs)	413.5 kg (911.6 lbs)	456.5 kg (1006.4 lbs)	499.5 kg (1101.2 lbs)
	542.5 kg (1196.0 lbs)	585.5 kg (1290.8 lbs)	628.5 kg (1385.6 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, 4 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-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.