

# Sodium-ion Battery Module

EUN24050R16S1P



## Features



**Flexible Configuration**

The sodium-ion battery module can match the power supply requirements of UPS with different battery voltage levels, and is used to power the UPS system when the mains is abnormal. It can be flexibly configured according to the backup time.



**Safety & Reliability**

Fault self-recovery, battery cell real-time self-equalization, and provides overvoltage, undervoltage, overcurrent, short-circuit, high and low temperature and other protection functions, with a standard-configured PACK-level fire-fighting module, to achieve multiple safety guarantees.



**Environmental Friendly**

Sodium-ion batteries do not contain toxic and harmful substances and have little impact on the environment.



**Warranty**

Promise 5 years warranty.

## Application



**Application**

ISP Internet service providers, IDC data exchange center computer rooms, medium-sized network management systems/computer rooms, billing centers, bank/bond settlement centers, business service groups, industrial process control applications, medium-sized office automation, precision instruments and equipment, etc.; small and medium-sized enterprise data computer rooms, small financial system outlets, industrial automation control systems, local area network servers, communication base station servers, Internet cafes, shopping mall cash registers, etc.

## Main Technical Parameters

	MODEL	EUN24050R16S1P
Basic Parameters	Cathode material	NaFePO4
	Design life	10 years
	Rated capacity	50AH/2280WH
	Cooling mode	Air cooling
Electrical Characteristics	Output voltage	240VDC
	Max. output power	7500W@240V
	Max. charging current	8A@270V
	Start time	50~60s
	Max. parallel connection number	CAN: 16 units
	Cycle life	3000 cycles(1C, 80%DOD, 25°C)
Mechanical Properties	Dimension(W×D×H)(mm)	440x700x160(3U)(without hanging lug)
	Weight(kg)	≤46.5
	Installation type	Standard 19-inch rack
	Communication interface	CAN/RS485; 1pc DO; 1pc DI
Environments	Operating temperature	0°C~40°C no derating; 40°C~50°C power linear derating to 50%
	Storage temperature	0°C~55°C
	Transport temperature	-40°C~+60°C
	Relative humidity	5%RH~95%RH(non-condensing)
	Altitude	Altitude≤1000m, load derated 1% per 100m above 1000m, up to 5000m
Safety protection	Battery overvoltage protection	Cell overvoltage alarm: ≥3.68V; protection: ≥3.8V; Battery pack(single pack) overvoltage alarm: ≥58V; protection: ≥58.4V
	Battery undervoltage protection	Cell undervoltage alarm: ≤2.5V; protection: ≤2.0V; Battery pack(single pack) undervoltage alarm: ≤40V; protection: ≤32V
	Overtemperature protection	Charging alarm: >50°C; protection: >55°C Discharging alarm: >60°C; protection: >65°C
	Low temperature protection	Alarm: <5°C; protection: <0°C
	Output discharge overvoltage protection	≥300V
	Output short-circuit protection	Equipped with short-circuit protection
	Noise	Specification requirement
Reliability	MTBF	≥500,000 hours
	Warranty	5 years