

Rack-Mounted Energy Storage System

The UNIV Rack-Mounted lithium batteries are an excellent choice for those looking for a reliable and cost-effective solution to high-performance backup power or energy storage needs. The scalability of these batteries is impressive, allowing users to expand their capacity by adding more battery modules.

These batteries come equipped with advanced monitoring and control systems that provide real-time data on battery performance, temperature, and other critical parameters, ensuring optimal battery operation and extending its lifespan.

These batteries are versatile and can be used in various applications, including backup power for data centers, telecommunications equipment, and renewable energy systems. With the UNIV rack-mounted lithium batteries, you can be sure that your energy storage needs are well taken care of, giving you peace of mind and uninterrupted power supply.

Features And Advantages



Real-time Data Monitoring with Bluetooth



Simple Installation Design



Versatile Modules
2.4kWh ~ 17.4kWh



10 Years Warranty



Superior BMS with Brand Battery Cell



>8000 Cycle Times



Commercial Back up Choice



Max. Scalability to 16 modules

Lithium Battery



Specification

MODEL		UNIV5200
BATTERY PARAMETERS		
Total Energy (kWh)		5.22
Useable Energy (kWh)		4.91
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		102
Recommend Current (A)	Charge	80
	Discharge	80
Max.Current (A)	Charge	100
	Discharge	100
Recommend Using DOD		90%
Scalability		Max 16 in Parallel
Dimension (W *H* D) (mm)		442*135*480
Weight (KG)		43
BMS Features		Over-voltage & Over-current Protection/Short-circuit Protection Low-voltage Protection/Over Temperature Protection/Cell Balance
Communication		CAN/RS485
OPERATING CONDITION		
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C~55°C(-4°F~131°F)
Storage Temperature		-20°C~55°C(-4°F~131°F)
IP Rating		IP20
Installation Type		Rack
Cooling Type		Natural
Operating Environment		Indoor (5% ~ 95%(RH) No Condensing)
Altitude		≤4000 m
CERTIFICATION AND SAFETY		
Warranty		10 Years
Operation Life		15+ Years (25°C/77 °F)
Cycle Life		≥8000@25°C
Certification		CE/Cell UL 1973/IEC62619
Transportation Certification		UN38.3/MSDS

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.