

## Rack-Mounted Energy Storage System

UNIV Rack-Mounted lithium batteries offer a reliable, cost-effective solution for high-performance backup power and energy storage. Their impressive scalability allows capacity expansion by adding more modules.

Equipped with advanced monitoring and control systems, they provide real-time data on performance, temperature, and other critical parameters. This ensures optimal operation and extends lifespan. Versatile applications include backup power for data centers, telecommunications equipment, and renewable energy systems.

With UNIV rack-mounted batteries, your energy storage is secured, delivering peace of mind and uninterrupted power.

## Features And Advantages



Real-time Data  
Monitoring with  
Bluetooth



Superior BMS with  
Brand Battery Cell



Simple Installation  
Design



Commercial  
Back up Choice



10 Years Warranty



Max. Scalability to  
20 modules

## Lithium Battery

### Rack-mounted Series



#### Specification

MODEL		UNIV5200( I )
BATTERY PARAMETERS		
Total Energy (kWh)		5.12
Useable Energy (kWh)		4.81
Nominal Voltage (Vd.c)		51.2
Voltage Range (Vd.c)		44.8 ~ 57.6
Rated Capacity (Ah)		100
Recommend Current (A)	Charge	80
	Discharge	80
Max. Current (A)	Charge	100
	Discharge	100
Recommend Using DOD		90%
Scalability		Max 20 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
Standard Features		Trip Protection/Bluetooth
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		≤2000 m
CERTIFICATION AND SAFETY		
Warranty		5+5 Years
Operation Life		15+ Years (25°C/77 °F)
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.