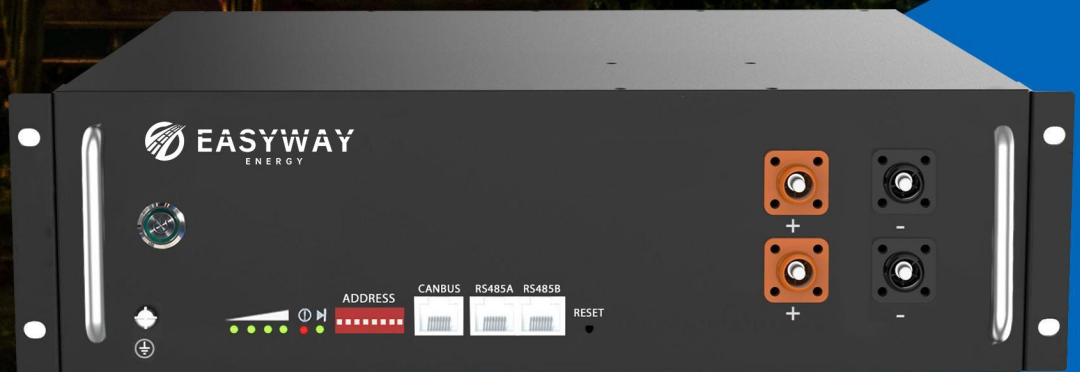


LITHIUM BATTERY

Rack-Mounted Energy Storage System



SUMMARY

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 energy storage 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.



Wide range of products
from economy to high-end quality



Flexibility and fast
deliveries anywhere, from kW to MW



Striving for the best availability
and price on the international market



Individual approach
and fast response

FEATURES



CANBus standard connection



5+5 Years Warranty



Bluetooth optional



Optimal Electricity Cost



High inverter compatibility



>6,000 Cycles at 90%DOD

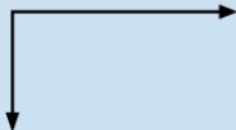


Local BMS operation log storage



High-quality A grade lithium battery cells

PV Array



Rack-Mounted Battery



Back-up Loads



On-grid Loads



Meter



Grid

SPECIFICATION(LV)

Module

UNIV5200

| Basic Parameters | | |
|------------------------------------|---|------------|
| Total Energy | 5.22kWh | |
| Usable Energy(DC) | 5kWh | |
| Voltage | 48-58.4Vd.c | |
| Nominal Voltage | 51.2Vd.c | |
| Rated Capacity | 102Ah | |
| Efficiency | >97% | |
| Nominal Current | 51A | |
| Nominal Charge power | 2.6kW | |
| Nominal Discharge power | 2.6kW | |
| Peak power(only discharging) | 4kW for 3sec | |
| Dimension(mm) | 442*135*420mm | |
| Operating Condition | Indoor | |
| Weight | 43kg | |
| Operating Temperature | Charge | 0℃ ~ 50℃ |
| | Discharge | -20℃ ~ 60℃ |
| Color | Black | |
| Humidity | < 60%(No condensed water) | |
| Over Voltage Category | II | |
| Cooling Type | Natural cooling | |
| Case Material | Metal | |
| Installation | Wall mounting/Ground Installation | |
| IP rating | IP 20 | |
| Protective Class | I | |
| Max numbers of parallel connection | 16P | |
| Warranty | 10 years | |
| Life Span | >15 years | |
| Communication | CAN/ RS485 | |
| Protection Mode | Dual hardware protection | |
| Battery Protection | Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature | |
| Safety | Cell UL 1973 | |
| | CE/TUV | |
| Hazardous Material Classification | 9 | |
| Transportation | UN38.3 | |

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