

Energy Storage Container

MEGANaESS2276K

MEGANaESS2276K uses Sodium-ion battery, battery capacity of 160Ah, It takes sodium ion technology as the core, combined with intelligent AI management, to provide high safety, long life, all-scene adaptation energy support for solar, wind, microgrid and emergency backup power, redefining the benchmark of large-scale energy storage. MEGANaESS 2276K has the characteristics of extreme safety, fear of extreme environment, ultra-long life, economic efficiency, AI intelligent monitoring, zero burden of operation and maintenance, and full scene adaptation, whether it is the pursuit of low electricity cost operators, or industrial users who need reliable backup power, it can make "energy anxiety" become history.



Features

- 01

High Safety
In safety tests, Sodium-ion batteries performed better, with no fires, smoke or explosions
- 03

Environmentally friendly
Advanced monitoring technology and smart algorithms

- 02

Excellent performance
MEGANaESS 2276K has excellent performance at -40°C to 45°C
- 04

High Integration
2276 kWh energy in one Container with remarkable endurance

Application Scenario:
Microgrid system, Renewable energy supporting, Power construction and regulation, Industrial and Commercial power consumption optimization

PRODUCT PARAMETERS

Battery Cell	MEGANaESS2276K
Cell Type	160 Ah
Cell Chemistry	NA-ION
Cycle Life	≥5000 (25°C±2°C, 0.5C / 0.5C, 90% DOD, 70% SOH)
Rated voltage	1185.6 V
Operating Voltage	624~1447.68 V

Performance

Maximum Energy Capacity	2.276 MWh
DC Power @ Rated Duration	2 hours at 1.1MW

General Parameter

Dimension (W*D*H)	6058*2438*2900 mm
Weight	39 t
IP Rating	IP55
Operating Temperature Range	-40°C ~ 45°C
Auxiliary Power Input	50 ~ 60 Hz
Heating and Cooling	Intelligent Liquid Cooling

Safety

Explosion Prevention and Mitigation	Gas detection with dedicated emergency safety systems including container and module ventilation and container deflagration
Fire Detection	Fire alarm panel, heat and smoke detection, alarm bell and strobe
Fire Suppression	Aerosol-based suppression system Dry pipe sprinkler system