

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	≥ 4000 (25°C±2°C, 0.5C / 0.5C, 90% DOD, 60% SOH)
Rated voltage	1185.6 V
Operating Voltage	624 ~ 1447.68 V
Performance	
Maximum Energy Capacity	2.276 MWh
DC Power @ Rated Duration	2h at 1.1MW
General Parameter	
Dimension (W*D*H)	6058*2438*2900 mm
Weight	39 t
IP Rating	IP55
Operating Temperature Range	-30°C ~ 45°C
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

This datasheet is intended solely for product information and is not legally binding. The actual specifications and/or product features may differ slightly from those stated. Errors and changes are reserved. Please read the safety and installation instructions carefully and completely before using the product. Upon purchase, the currently valid warranty statements and the general terms and conditions of Megalion Europe GmbH shall apply.