



U2

FEATURES



High Level of Safety

- LFP cell with high thermal stability
- Protection level of IP55 for outdoor applications
- Resistance up to C5 corrosive level, with 20-year reliability
- Prevention-oriented fire protection strategy with independent fire fighting system



EMS

- Equipped with customized EMS Nova Grid
- Use cloud and local dual systems for monitoring and emergency control, therefore improving system reliability
- Implant AI to realize intelligent charge and discharge planning and maximize trading profits



High Integration

- Modular design for the 1500V system
- Separate arrangement of electrical room and battery room for convenient maintenance
- Non-walk-in/modular highly integrated design saves floor space by 35%
- Prefabricated installation, reduces on-site installation costs and commissioning time



Long Service Life

- Available for integration with high quality cells
- Integrated variable frequency liquid cooling system

Technical Parameters

U2

Rated Energy

4073.47kWh

Cell

Chemistry	LFP
Specifications	3.2V/306Ah
Calendar life	20 years

Battery Pack

Combination	2P52S
Rated voltage	166.4V
Operating voltage range	130V~187.2V
Rated energy	101.83kWh
Temperature difference	≤3%

Battery Rack

Rated voltage	1331.2V
Operating voltage range	1040V~1500V
Rated energy	814.69kWh

Battery Container System

DC round trip efficiency	>93%
Rated voltage	1331.2V
Operating voltage range	1164.8V~1497.6V
Rated C rate	0.5 C
Max C rate	0.5 C
Operating temperature range	-25°C to 55°C
Storage temperature range	-30°C to 60°C
Relative humidity	<95% Non-Condensing
Altitude	≤2000m
Cooling mode	liquid cooling
Fire suppression	Heat detector+Smoke detector+Hydrogen detector+Fire control panel+Aerosol
Auxiliary power input range	400V three-phase (±10%)+N+PE, 50/60hz; 230V single-phase (±10%)+N+PE, 50/60hz
Battery management system	3 levels +Passive balance 100 mA(Active balance 2A optional)
Communication interface	CAN, RS485
Communication protocol	CAN2.0, Modbus
Codes compliance	UL1973,UL9540A,IEC62619,IEC62477-1,IEC61000-6-2,IEC61000-6-4
Protection level	IP55
Anti-corrosion grade	C4 (C5 optional)
Dimensions (W*D*H,mm)	6058*2438*2896mm
Weight	35.2T

* Specifications are subject to change without prior notice.

