



Smart Micro Grid ESS

BC003A—100kW/215kWh

Multiple Benefits:

- Support virtual power plant, demand side response,
- Adapt to the actual environment and pursue higher benefits.

Flexible Configuration:

- Use Saas architecture, rapid deployment,
- Convenient installation, convenient later maintenance.

Efficient Operation:

- Cloud + terminal architecture,
- It can realize local deployment of a single station,
- It can also realize the cloud management of the station group.

Multi-service Scenes:

- Flexible for photovoltaic, energy storage, charging pile, light storage,
- Various service scenarios such as optical storage and charging integration.

Technical specifications

Items	Parameters
Model	100kW/215kWh
Thermal Management	Air-cooling (industrial air conditioner)
▶ AC Output	
Wire System	3L+N+PE
Voltage Range	320Vac~440Vac
Rated Voltage	400Vac
Rated Current	144A
Rated Frequency	50Hz
Power Factor	0.99(leading)~0.99(lagging)
THD	Full-load output power ≤ 3% @ 50%~100%
Isolation Transformer	Yes
▶ Battery Cluster	
Voltage Range	672Vdc864Vdc
Rated Current	140A
Voltage Accuracy	<± 1%
Current Accuracy	≤± 2% (20%~100% @rated output)
▶ PV Module	
MPPT Voltage Range	200Vdc~850Vdc
Max. PV Input Power	50kW*2
No. of MPPT	2
▶ Working Conditions	
OperationTemperature	-20℃~55℃
Humidity	5%RH-70% RH
Ingress Protection	IP54
Altitude	<2000m
Atmospheric Pressure	79KPa~106kPa
▶ Product Safety and Reliability	
Dielectric Strength	Insulation resistance ≥ 20M Ω, 1500Vdc
WithstandVoltage	Leakage current ≤ 5mA, 3100Vdc
Fire Suppression System	Aerosol fire suppression system
▶ Dimensions and Weight	
Dimensions	1900mm*1511mm*2366mm (W*D*H)
Net Weight	2.8T