

Energy Storage Container

1MW / 2MWh

500kW / 1MWh



Features



Multi-Mode Flexibility

- Multiple working modes can be flexibly set.



Real-Time Status Monitoring

- Support real-time online monitoring of system status



Intelligent Thermal Control

- Support battery management system and comprehensive thermal management.



Universal Power Access

- Support simultaneous access to load, battery, grid, DG



Thermal Isolation Safety

- The electrical compartment and battery compartment are separated to prevent runaway spread of heat.



Rapid Deployment Design

- Integrated design, easy to transport and install, flexible deployment

Applications



C&I peak shaving and valley filling



Emergency Power Supply



Grid side peak regulation & frequency modulation

PERFORMANCE SPECIFICATIONS

Model	ESS1000-2089	ESS500-1045
Rated power (kw)	1000	500
Rated voltage (V)	400	400
Rated current (A)	1570A	785A
Voltage range (V)	320V-460V	320V-460V
Rated frequency	50/60Hz	50/60Hz
Frequency Range	45-55/55-65Hz	45-55/55-65Hz
THDi(on-grid)	<3%	<3%
THDu (off-grid)	<1% linear; < 5% non-linear	<1% linear; < 5% non-linear
Power factor	1 (0.8 leading ~ 0.8 lagging can be set)	1 (0.8 leading ~ 0.8 lagging can be set)
Overload capacity	110% Long term	110% Long term
AC output	3W+N+PE	3W+N+PE
Isolation transformer	315/400	315/400
On -grid off-grid switching	Support	Support
Battery data		
Cell type	3.2V/314Ah	3.2V/314Ah
Nominal voltage(V)	665.6V/10P208S	665.6V/5P208S
Nominal energy (Mwh)	2.089	1.045
Working voltage range (V)	582.4-748.8V	582.4-748.8V
Max. charge and discharge rate	0.5c@25°C	0.5c@25°C
Number of Battery Cycles	≥8000	≥8000
System data		
Dimensions W*D*H (mm)	12,192x2,438x2,896	20Ft
Net weight (kg)	38,000	21,000
Operating temperature (°C)	0~+45	0~+45
Relative humidity	0~95%(non-condensing)	0~95%(non-condensing)
ingress protection	IP54	IP54
Noise emission (dB)	<75dB	<75dB
Operating altitude	3,000m	3,000m
Colling	Intelligent air cooling	Intelligent air cooling
fire extinguishing system	FM200/NOVEC1230	FM200/NOVEC1230
Display	Touch LCD display+cloud platform	Touch LCD display+cloud platform
EMS communication	RS485, TCP/IP	RS485, TCP/IP
Corrosion protection grade	C5	C5