

FLYFINE



Container Energy Storage System

Energy Storage System Series

Key strengths

- ▶ Multiple working modes can be flexibly set.
- ▶ Support real-time online monitoring of system status.
- ▶ Support battery management system and comprehensive thermal management.
- ▶ Support simultaneous access to load, battery, grid, DG, and PV .
- ▶ The electrical compartment and battery compartment are separated to prevent runaway spread of heat.
- ▶ Integrated design, easy to transport and install, flexible deployment.

Applications

- ▶ C&I peak shaving and valley filling
- ▶ Emergency Power Supply
- ▶ Grid side peak regulation and frequency modulation

Model	FESSC0500B-1075	FESSC0500B-2150
AC Data		
Rated Power	500kW	1,000kW
Rated Voltage		400V
Rated Current	722A	1,445A
Voltage Range		320-460V
Rated Frequency		50/60Hz
Frequency Range		45-55/55-65Hz
THDi(on-grid)		< 3%
THDu (off-grid)		≤ 1% linear; ≤ 5% non-linear
Power Factor		1 (0.8 leading ~ 0.8 lagging can be set)
Overload Capacity		110% Long term
AC Output		3W+N+PE
Isolation Transformer		315/400
On-grid Off-grid Switching		Support
PV Data		
Max.PV Input Voltage		1,000V
Max. PV Power	600/660/720kW	1,200/1,320/1,440kW
MPPT Operating Voltage Range		250-850
MPPT Full Load Voltage Range		450-850
Buck-Boost Mode		Support
Battery Data		
Cell Type		3.2V/280Ah/LFP
Nominal Voltage		768V/1P240S
Nominal Energy	1.0752MWh	2.1504MWh
Working Voltage Range		672-850V
Max. Charge and Discharge Rate		0.5C@25°C
Number of Battery Cycles		≥8000
System Data		
Dimensions W*D*H	6,058×2,438×2,896mm	12,192×2,438×2,896mm
Net Weight	21,000kg	38,000kg
Operating Temperature		0 ~ +45°C
Relative Humidity		0 ~95% (non-condensing)
Ingress Protection		IP54
Noise Emission		< 75dB
Operating Altitude		3,000m
Cooling		Intelligent air cooling
Fire Extinguishing System		FM200/NOVEC1230
Display		Touch LCD display+cloud platform
EMS Communication		RS485, TCP/IP