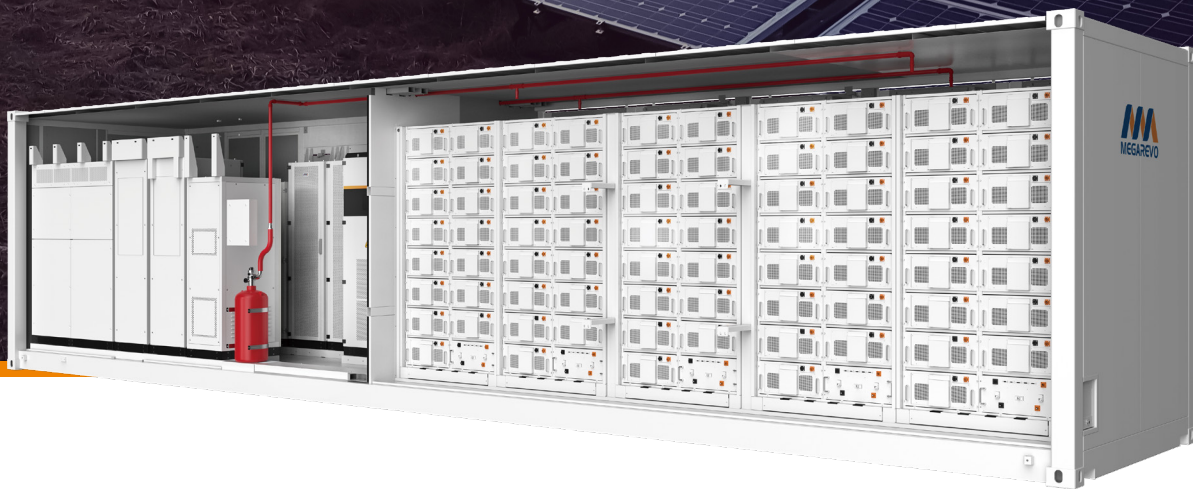


ESSC Series

Container energy storage system



KEY STRENGTHS

- Multiple working modes can be flexibly set.
- Support battery management system and comprehensive thermal management.
- The electrical compartment and battery compartment are separated, preventing the spread of thermal runaway.
- Support real-time online monitoring of system status.
- Support simultaneous access to load, battery, grid, DG, and PV.
- 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	ESSC0500B-1000	ESSC1000B-2000
AC data		
Rated power (kW)	500	1,000
Rated voltage (V)		400
Rated current (A)	722	1,445
Voltage range (V)		320-460
Rated frequency(Hz)		50/60
Frequency range(Hz)		45-55 / 55-65
THDi (on-grid)		<3%
THDu (off-grid)		≤ 1% linear; ≤ 5% non-linear
Power factor		1leading~1lagging(settable)
Overload capacity		110% long-term
AC output		3W+N+PE
Isolation transformer		315/400
On / off-grid switching		Support
PV data		
Max. PV input voltage (V)		1,000
Max. PV power (kW)	600/660/720	1,200/1,320/1,440
MPPT operating voltage range (V)		250~850
Buck-boost mode		Support
Battery data		
Cell type		3.2V/280Ah/LFP
Nominal voltage(V)		768V/1P240S
Nominal energy (MWh)	1.0752	2.1504
Working voltage range (V)		672~850V
Max. charge and discharge rate		0.5C@25°C
Number of battery cycles		≥6,000
System data		
System specification	500kW/1,075.2kWh (1000kWh)	1,000kW/2,150.4kWh (2000kWh)
Dimensions W *D *H (mm)	6,058×2,438×2,896	12,192×2,438×2,896
Net weight (kg)	21,000	38,000
Operating temperature (°C)		0 ~ +45
Relative humidity		0 ~95% (non-condensing)
Ingress protection		IP54
Noise emission (dB)		<75
Max. operating altitude (m)		5,000(>3,000 derating)
Cooling		Intelligent air cooling
Fire extinguishing system		FM200/NOVEC1230(optional)
Display	7" device display +10" EMS display +10" BMS display (configurable)	
EMS communication	RS485, TCP/IP	