

MEGA Large C&I inverter series

Container type energy storage booster

Product features:

Friendly & flexible

- system can be expanded to MW level by parallel;

Safe & reliable

- Support multiple battery input to improve battery cycle life;
- High switching frequency design, low current ripple and high power quality;

Intelligent & efficient

- Latest IGBT module, Up to 98% conversion efficiency;
- With on-grid charge and discharge, off-grid independent inverter function;

Abundant configuration

- Integrated multiple boost systems;
- Built-in EMS function to improve energy efficiency management;



Technical specification:

Technical specification	ESSC1000A-MV35	ESSC1260A-MV35	ESSC2000A-MV35	ESSC2500A-MV35
DC(battery)				
Battery voltage range(V)	500-900			
AC(on-grid)				
Max. apparent power(kVA)	1,100	1,386	2,200	2,750
Rate output power(kW)	1,000	1,260	2,000	2,500
Rated voltage(kV)	35			
Voltage range(kV)	38.5±2×2.5% (6、10、22) optional			
Rated current(A)	16.5	20.8	33	41.2
Max. output current(A)	18.1	22.9	36.3	45.4
Rated frequency(Hz)	50/60			
Frequency range(Hz)	45-55/55-65			
THDi	<3%			
Power factor	1lagging-1leading (Settable)			
AC connection	3W+PE			
General data				
Max. efficiency	98%			
Ingress protection	IP54			
Noise emission(dB)	<75			
Operating temperature	-30°C~ 55°C			
Cooling	Temperature controlled forced air cooling			
Relative humidity	0 ~95% non-condensing			
Altitude	5,000m(>3,000 Derating)			
Dimension W*D*H (mm)	4,300*2,438*2,591	4,300*2,438*2,591	6,058*2,438*2,591	6,058*2,438*2,591
Weight(kg)	4,500	4,500	8,000	8,000
Transformer	No			
Self-consumption(W)	<20	<20	<40	<40
Booster transformer	Manual (default)/ Automatic (optional)			
Display and communication				
Display	LCD touch-screen			
BMS communication	RS485/CAN			
EMS communication	RS485, TCP/IP			