

Air-cooled Energy Storage Container

Rated Energy: 1075/2150kWh

Rated Voltage: 768V



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	
Grid type			3W+N+PE	
Isolation transformer			Yes	
On / off-grid switching			Support	
PV data				
Max. PV input voltage (V)			1,000	
Max. PV power (kW)	660 / 742.5 / 825		1,320 / 1,485 / 1,650	
MPPT operating voltage range (V)			250~1,000	
Buck-boost mode			Self-adaption	
Battery data				
Cell type			3.2V / 280Ah / LFP	
Rated voltage(V)			768V / 1P240S	
Rated energy (MWh)	1.0752		2.1504	
Operating voltage range (V)			672~852V	
Max. charge and discharge rate			0.5P@25°C	
General data				
System specification	500kW / 1,075.2kWh (1,000kWh)		1,000kW / 2,150.4kWh (2,000kWh)	
Dimensions W*D*H (mm)	6,058×2,438×2,896		12,192×2,438×2,896	
Weight (kg)	21,000		38,000	
Operating temperature (°C)			0 ~ +45	
Relative humidity			0 ~70% (non-condensing)	
Ingress protection			IP54	
Noise emission (dB)			<75	
Max. operating altitude (m)			2,000(> 2,000 power derating)	
Cooling			Temperature-controlled 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	