

Energy storage system series

Container storage system

Product features:

Simple & flexible

- Standardized design, easy to expand and maintain;
- Independent air duct design, more stable operation;

Safe & reliable

- Support battery management system and comprehensive thermal management;
- Improve the fault classification protection mechanism;

Abundant configuration

- Diversified selection of equipment capacity;
Can be integrated with monitoring system;



Technical specification:

Technical specification	ESSC0500A-1106
DC data	
Battery capacity (MWh)	1,106
Number of battery racks	8
BMS communication interface	RS485/CAN
DC voltage range (V)	600~850
AC data	
Rated AC power(kW)	500
Max. AC power(kW)	550
Rated AC current(A)	722
Max. AC current(A)	800
DC current component	<0.5%
THDi	<3% (Rated power)
Rated grid voltage(V)	400
Allowable grid voltage range(V)	320~460
Rated grid frequency(Hz)	50/60
Allowable grid frequency range	45~55/55~65
Power factor	1lagging-1leading
Isolation method	No isolation
General data	
Ingress protection	IP54
Fire extinguishing system	support
Running time (full power)	2h
Operating temperature	-30°C~ 55°C
Dimension W*D*H (mm)	12,192*2,438*2,896
Weight (T)	3.5
BMS communication	RS485, CAN
EMS communication	RS485, TCP/IP
PCS cooling way	Temperature control intelligent air cooling
Battery cooling way	Air conditioning cooling
Altitude	4,500m(>3,000 Derating)
Relative humidity	0 ~95% non-condensing