

## 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	ESS500A
<b>DC data</b>	
Battery capacity (MWh)	500KWH~3500KWH(Optional)
Number of battery racks	Adjust by Capacity
BMS communication interface	RS485/CAN
DC voltage range (V)	600~850
<b>AC data</b>	
Rated AC power(kW)	500/1000/1500/2000 (Optional)
Max. AC power(kW)	550/1100/1650/2200
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
<b>General data</b>	
Ingress protection	IP54
Fire extinguishing system	support
Running time (full power)	2h
Operating temperature (°C)	-30~ 55
Dimension W*D*H (mm)	12,192*2,438*2,896
Weight (T)	3.5(Container Only)
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