

# Container storage system

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PV charging station



Wind power storage



Combined thermal power FM



Grid-side storage

Technical specification	HN-ESS-250/516kWh	HN-ESS-500/1008kWh	HN-ESS-630/1505kWh	HN-ESS-1260/2580kWh
<b>DC data</b>				
Battery capacity ( kWh )	516	1008	1505	2580
Number of battery clusters	3	5	7	12
Battery cluster voltage ( V )	614.4	720	768	768
Battery type	Lithium iron phosphate			
Discharge depth	90%			
Number of cycles (times)	6000@25°C			
<b>AC data</b>				
Rated AC power(kW)	250	500	630	1260
Rated grid voltage (V)	400			
Grid voltage range (V)	320-460			
Rated grid frequency (Hz)	50/60			
Power grid frequency range (Hz)	45-55/55-65			
Isolation method	YES	NO	NO	NO
Access mode	3W+N+PE	3W+PE	3W+PE	3W+PE
<b>General data</b>				
Full load operation time (h)	2			
Ingress protection	IP54			
Cooling mode	Air conditioning and air cooling			
Fire fighting system	Automatic fire protection			
Operating temperature range	-30°C~55°C			
Dimensions W*D*H(mm)	6058*2438*2591	6058*2438*2591	12192*2438*2591	12192*2438*2591
Weight (t)	7.2	12.3	17.1	28.1
BMS communication	RS485 , CAN			
EMS communication	RS485 , TCP/IP			
Highest altitude (m)	4500 ( Derating is required if it exceeds 3000m )			
relative humidity	0-95% non-condensing			

## Product features:

### Friendly & flexible

- 1、 Standardized design, easy for capacity expansion, easy for maintenance;
- 2、 Independent air flow design for high reliability;

### Abundant configuration

- 1、 Standardized design, easy for capacity expansion, easy for maintenance;
- 2、 Integrated monitoring system;

### Safe and reliable

- 1、 Support battery management system and comprehensive thermal management;
- 2、 Realize the fault classification protection algorithm;

### Intelligent and efficient

- 1、 Support real-time online monitoring of system status;
- 2、 Large capacity, long life, high discharge;