

Haitai

Blue Shield

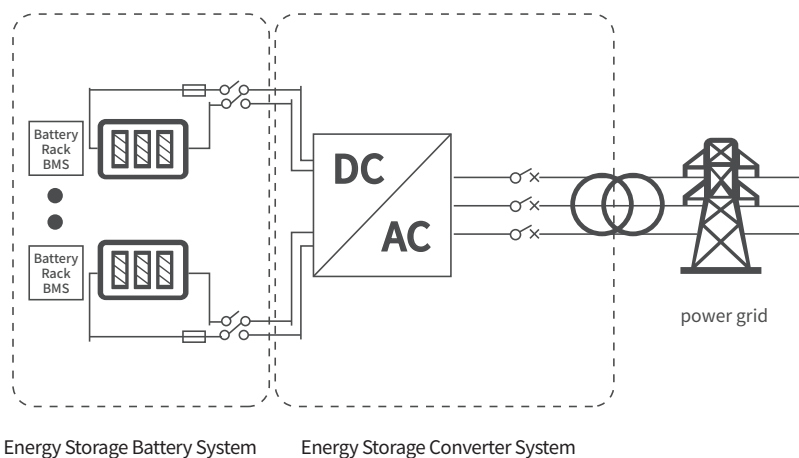
Containerized Energy Storage System
HTDESS-1725/3420-LC



Product Features

- The intelligent BMS system provides three-level monitoring of the energy storage system, ensuring high efficiency and safety.
- High-quality lithium iron phosphate (LFP) batteries, with a long cycle life (>6000 cycles).
- Large storage capacity and high conversion efficiency (comprehensive efficiency >85%).
- This prefabricated container system can be quickly applied to various applications to minimize deployment costs.
- Modular design makes it possible to build energy storage systems with various voltages and capacities.
- Comprehensive and multi-level battery protection strategies and fault isolation measures ensure safe and stable operations of this system.
- With fire protection, thermal management system, access control, monitoring, leakage protection and other features, this system runs safely and stably.
- Intelligent liquid cooling temperature control system with 20% less energy consumption than industry standards
- Easy operation and maintenance and low maintenance costs.

ESS Diagrams



DC System	
Model	HTDESS 1725/3420-LC
Battery Capacity	3421kWh
Cell Specifications	3.2V/300Ah (0.5P)
Pack Specifications	1P44S
Rated Voltage	1267.2V
Voltage Range	1108.8~1425.6V
Rated Current	1350A
Voltage Accuracy (FSR)	1%
Current Accuracy (FSR)	1%
Temperature Accuracy	2°C
SOC Accuracy	5%
AC System	
Rated Power	1725kW
Output Voltage	690V
Voltage Range	690V±15%
Rated Current	1443A
Power Factor	> 0.99 (at rated power)
Rated Frequency	50Hz
Frequency Range	-5 ~ 5 Hz
THD	小于 3%
Transformer Parameters	
Rated Power	2000kVA
Voltage Transformation Ratio	0.69kV /10~ 35 kV
Transformer Form	Dry transformation/Oil transformation
Other	
Battery Container Size	6058*2438*2896
Gross Weight	< 36
Converter Container Size	6058×2438×2896 mm
Battery Cooling Method	Intelligent liquid cooling
Converter Cooling Method	Temperature controlled forced air cooling
Fire Fighting	Gas fire protection, combustible gas detection+exhaust, water firefighting optional
Cycle Life	>6000 cycles (@25°C ,EOL 80%)
Protection Grade	IP54 for the whole system and IP65 for key components
Allowed temperature range	-25 ~ +50 °C
Allowed humidity range	0 ~ 95%, No condensation
Maximum operating altitude	≤ 4000* m (>2000m derate)

Note: * Performance of this system will derate for applications with altitude higher than 2000 meters. Above information is subject to our updates.