

EH series MV containerized energy storage converter

Product Features

- Pre-assembled, convenient for transportation and installation
- Integrated converter and step-up transformer, high system efficiency and low cost
- IP54 protection level, adapt to the harsh outdoor environment
- Grid Friendly, accept power grid dispatch and perform active and reactive power compensation



Integrated design

IP54

IP54 protection level



Easy to install

Technical Parameters

Model	EH-2000-B-OD/10	EH-2500-A-OD/10	EH-2000-B-OD/35	EH-2500-A-OD/35
DC side parameters				
Maximum input voltage	1000V	1000V	1000V	1000V
Maximum DC current	4×1055A	4×1219A	4×1055A	4×1219A
Battery pack voltage range	580~850V	580~850V	580~850V	580~850V
No. of battery packs	4	4	4	4
Grid side parameters				
Rated AC power	2000kW	2500kW	2000kW	2500kW
Maximum AC power	2400kW	2750kW	2400kW	2750kW
Rated grid voltage	10kV	10kV	35kV	35kV
Maximum AC current	138.5A	160A	39.5A	45.8A
Rated grid frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
THD at rated power	<1.5%(>50%Load)	<1.5%(>50%Load)	<1.5%(>50%Load)	<1.5%(>50%Load)
Power factor	>0.99 (>20%Load)	>0.99 (>20%Load)	>0.99 (>20%Load)	>0.99 (>20%Load)
Power factor adjustable range	1 leading ~ 1 lagging	1 leading ~ 1 lagging	1 leading ~ 1 lagging	1 leading ~ 1 lagging
System characteristics				
Isolation method	Oil-immersed transformer/dry-type transformer			
Maximum efficiency	98.08%			
Protection level	IP54			
Working temperature	-30~+55°C			
Allowable humidity range	0~95% (No condensation)			
Altitude without derating	3000m			
Cooling method	Temperature control forced air cooling			
Communication Interface	RS485/CAN/Ethernet			
Mechanical parameters				
Dimensions (width/height/depth)	6058×2896×2438mm (Oil immersed/dry type)		6058×2896×2438mm (Oil immersed) 7000×2896×2438mm (dry type)	
Weight	14000kg	14500kg	15500kg	16000kg

A Circuit block diagram

