

EH series MV containerized energy storage converter

Technical Parameters



Product Features

- Pre-installed design, high integration, convenient for transportation and installation
- IP54 protection level, adapt to the harsh outdoor environment
- Front-end maintenance of the converter, convenient installation, operation and maintenance
- Grid friendly, accept power grid dispatch and perform active and reactive power compensation



Integrated design



IP54 protection level



Easy to install

Model	EH-1000-B-OD/10	EH-1260-A-OD/10	EH-1000-B-OD/35	EH-1260-A-OD/35
DC side parameters				
Maximum input voltage	1000V	1000V	1000V	1000V
Maximum DC current	2×1055A	2×1219A	2×1055A	2×1219A
Battery pack voltage range	580~850V	580~850V	580~850V	580~850V
No. of battery packs	2	2	2	2
Grid side parameters				
Rated AC power	1000kW	1260kW	1000kW	1260kW
Maximum AC power	1200kW	1386kW	1200kW	1386kW
Rated grid voltage	10kV	10kV	35kV	35kV
Maximum AC current	69.2A	80A	19.7A	22.9A
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)	4708×2896×2438mm (Oil immersed) 4500×2896×2438mm (dry type)		4708×2896×2438mm (Oil immersed) 6058×2896×2438mm (dry type)	
Weight	9500kg	9500kg	10400kg	10500kg

A Circuit block diagram

