

# EH series containerized energy storage converter

## Technical Parameters



### Product Features

- Pre-installed design, 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
- Friendly power grid adaptability, accept power grid dispatch and perform active and reactive power compensation



Integrated design

IP54

IP54 protection level



Easy to install

Model	EH-2000-A-OD	EH-2000-B-OD	EH-2500-A-OD
<b>DC side parameters</b>			
Maximum input voltage	1000V	1000V	1000V
Maximum DC current	4x1220A	4x1055A	4x1219A
Battery pack voltage range	460~850V	580~850V	580~850V
No. of battery packs	4	4	4
<b>Grid side parameters</b>			
Rated AC power	2000kW	2000kW	2500kW
Maximum AC power	2200kW	2400kW	2750kW
Rated grid voltage	315V,3W+PE	400V,3W+PE	400V,3W+PE
Grid voltage range	268~347V	340~440V	340~440V
Maximum AC current	4x1008A	4x866A	4x1000A
Rated grid frequency	50/60Hz	50/60Hz	50/60Hz
THD at rated power	<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)
Power factor adjustable range	1 leading ~ 1 lagging	1 leading ~ 1 lagging	1 leading ~ 1 lagging

<b>System characteristics</b>	
Isolation method	transformerless
Maximum efficiency	99.0%
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

<b>Mechanical parameters</b>	
Dimensions (width/height/depth)	2991x2896x2438mm
Weight	6500kg

## A Circuit block diagram

