

EH series energy storage converter



Product Features

- Wide voltage range on DC side, suitable for various batteries
- Support multiple machines in parallel, convenient for expansion
- Complete protection measures, with active fault monitoring and protection capabilities
- Intelligent multi-stage AC fan speed control technology to reduce system loss
- Friendly grid adaptability, accepting grid dispatching for active and reactive power compensation
- High/low voltage ride through function
- Independent inverter function of microgrid system



Wide DC voltage



High Power



Intelligent protection

Technical Parameters

Model	EH-0500-A	EH-0500-B	EH-0630-A
DC side parameters			
Maximum input voltage	1000V	1000V	1000V
Maximum DC current	1220A	1055A	1219A
Battery pack voltage range	460~850V	580~850V	580~850V
No. of battery packs	1	1	1
Grid side parameters			
Rated AC power	500kW	500kW	630kW
Maximum AC power	550kW	600kW	693kW
Rated grid voltage	315V,3W+PE	400V,3W+PE	400V,3W+PE
Grid voltage range	268~347V	340~440V	340~440V
Maximum AC current	1008A	866A	1000A
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
System characteristics			
Isolation method	transformerless		
Maximum efficiency	99.0%		
Protection level	IP20 (IP21 optional)		
Working temperature	-30~+55°C		
Allowable humidity range	0~95% (No condensation)		
Altitude at full load	3000m		
Cooling method	Temperature control forced air cooling		
Communication Interface	RS485/CAN/Ethernet		
Mechanical parameters			
Dimensions (width/height/depth)	1205x2050x750mm		
Weight	860kg		

-A- Circuit block diagram

