

# EPCS125/150/215/250-AM-HX

## Key Features

- Three-level topology, 99% conversion efficiency, excellent power quality.
- Modular design, seamless scalability to MW level.
- Longer system life, highly competitive LCOE.
- Component derating design, high stability, long device life.
- Supports HVRT/LVRT, actively adapts to weak grids.
- Cluster-level battery management & optimization.



## Technical Parameters

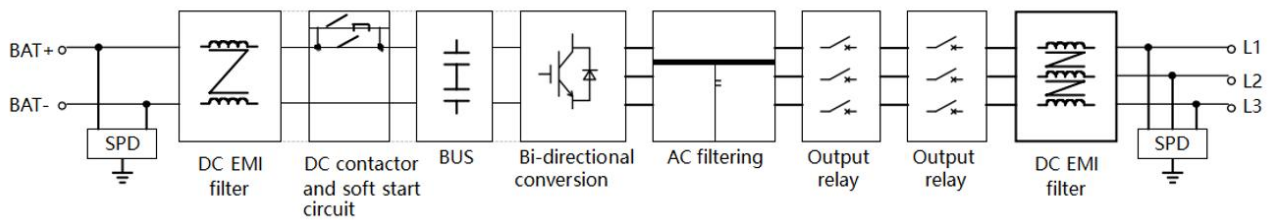
Specifications and Models(*)	EPCS125-AM-HX	EPCS150-AM-HX	EPCS215-AM-HX	EPCS250-AM-HX
<b>DC side</b>				
Full load charge operating voltage range	600V~1500V	725V~1500V	1000V~1500V	1150V~1500V
Full load discharge operating voltage range	615V~1200V	730V~1500V	1060V~1500V	1200V~1500V
Maximum current	245A	245A	245A	245A
Maximum charge/discharge power	137.5kW	165kW	237kW	275kW
<b>AC side</b>				
Rated voltage	400V	480V	690V	800V
Rated voltage range	-15%~+10%			
Wiring method	3P3W			
Rated power	125kW	150kW	215kW	250kW
Maximum power	137.5kW	165kW	237kW	275kW
Rated current	180A	180A	180A	180A
Maximum current	198A	198A	198A	198A
Frequency range	50±5Hz/60Hz±5Hz			
Power factor	0.99/-1~1			
Current distortion rate	<3% (@rated power)			
Overload capacity	110% long term			
Power factor	97.6%	97.8%	99%	99%
<b>Protection characteristics</b>				
Protection function	AC over-current protection, AC over-voltage protection, AC short-circuit protection, DC surge protection, DC over-current protection, DC over-voltage protection, over-temperature protection, etc.			

## General parameters

Dimensions (W x H x D)	275 × 845 × 810mm
Weight	108kg
Altitude	4000m (> 3000m derated use)
Operating temperature	-30°C ~ 60°C (> 50°C derated use)
Storage temperature	-40°C ~ 70°C
Humidity	0%RH~100%RH, no condensation
Cooling method	Intelligent air cooling
IP grade	IP66
Communication method	CAN/RS485/ Ethernet/Bluetooth/4G
Communication protocol	IEC61850, CAN2.0B, Modbus TCP/RTU

\* Product parameter specifications are updated from time to time without notice.

## Schematic Diagram



## Product Dimensions

