

# PCS

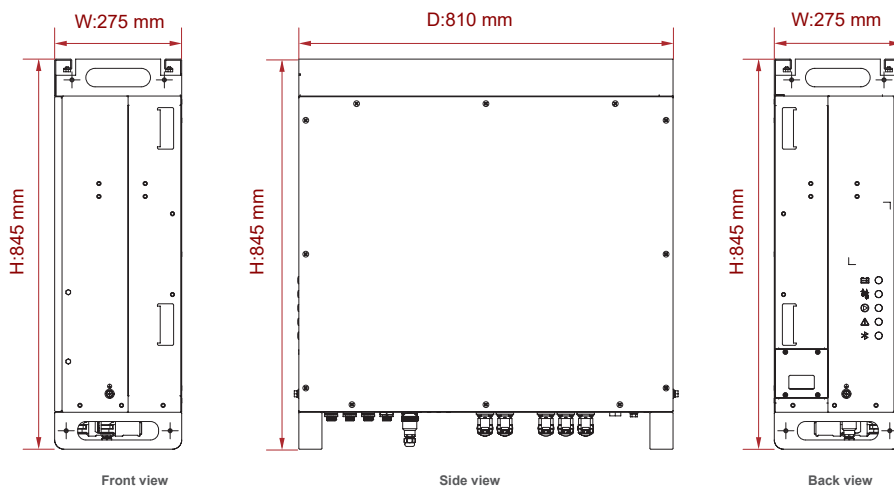
## Three Phase Power Conversion System EPCS125/150/215/250-AM-HX



### • Features

- Three-level topology, high conversion efficiency, and good power quality.
- Modular design, smooth expansion, and strong scalability (scalable to the MW level).
- Longer system lifespan and highly competitive cost per kilowatt-hour (LCOE).
- The device features derating design, good stability and long service life.
- Support high and low voltage crossing and actively adapt to weak power grids.
- Cluster-level battery management, cluster-level battery optimization.

### • Product Dimensions




**• Technical Parameter**

<b>EPCS125/150/215/250-AM-HX</b>				
<b>Model</b>	<b>EPCS125-AM-HX</b>	<b>EPCS150-AM-HX</b>	<b>EPCS215-AM-HX</b>	<b>EPCS250-AM-HX</b>
<b>Dc Side</b>				
<b>Full-load charging working voltage range</b>	600V~1500V	725V~1500V	1000V~1500V	1150V~1500V
<b>Full-load discharge operating voltage range</b>	615V~1200V	730V~1500V	1060V~1500V	1200V~1500V
<b>Maximum current</b>	245A	245A	245A	245A
<b>Maximum charge/discharge power</b>	137.5kW	165kW	237kW	275kW
<b>Communication Side</b>				
<b>Rated voltage</b>	400V	480V	690V	800V
<b>Rated voltage range</b>	-15%~+10%			
<b>Wiring method</b>	Three-phase three-wire			
<b>Rated power</b>	125kW	150kW	215kW	250kW
<b>Maximum power</b>	137.5kW	165kW	237kW	275kW
<b>Rated current</b>	180A	180A	180A	180A
<b>Maximum current</b>	198A	198A	198A	198A
<b>Frequency range</b>	50Hz±5Hz/60Hz±5Hz			
<b>Power factor</b>	0.99/-1~1			
<b>Current distortion rate</b>	< 3% (@Rated power)			
<b>Overload capacity</b>	110% long-term			
<b>Maximum efficiency</b>	97.6%	97.8%	99%	99%
<b>Protective Features</b>				
<b>Protective function</b>	Ac overcurrent protection、AC overvoltage protection、AC short-circuit protection、DC surge protection Dc overcurrent protection、DC overvoltage protection、over-temperature protection, etc			
<b>Conventional Parameters</b>				
<b>Dimension(W*D*H)</b>	275*845*810mm			
<b>Weight</b>	108kg			
<b>Altitude</b>	4000m (derated when > 3000m)			
<b>Working temperature</b>	-30°C to 60°C (derating when above 50°C )			
<b>Storage temperature</b>	-40°C ~70°C			
<b>Humidity</b>	0%RH to 100%RH, no condensation			
<b>Cooling method</b>	Intelligent air cooling			
<b>Protection grade</b>	IP66			
<b>Communication method</b>	CAN/RS485/ Ethernet/Bluetooth /4G			
<b>Communication protocol</b>	IEC61850、CAN2.0B、Modbus TCP/RTU			