EPCS 200/215/225-AM Energy storage PCS

Efficient and stable

- Three-level topology, high conversion efficiency, good power quality
- Device derating design, good stability, long equipment life

Flexible deployment

- Modular design, smooth expansion, strong scalability
- Support multi-machine parallel, can be extended to MW level

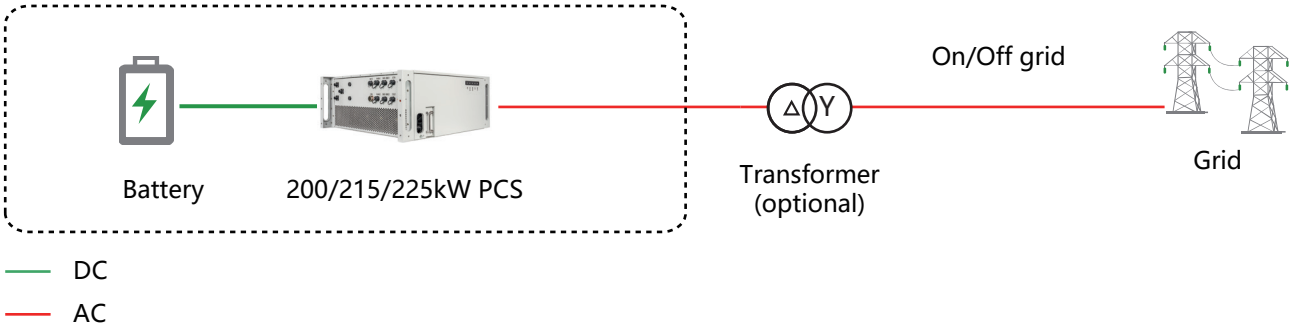
String management

- Cluster-level battery management, cluster-level battery optimization
- Longer system life, highly competitive levelized cost of energy (LCOE)

Grid friendly

- Support ms-level scheduling response, active network construction
- Support high and low voltage ride-through, proactively adapt to weak power grids

Typical application



Specification parameter table

Spec.	EPCS200-AM	EPCS215-AM	EPCS/225-AM
DC side			
Maximum charging power	220kW	236kW	247kW
Maximum discharging power	220kW	236kW	247kW
Working voltage range	1060V~1500V		
Number of input channels	1		
Maximum current	189A	203A	212A
AC side			
Maximum voltage	690V		
Voltage deviation	-15% ~ +10%		
AC output type	(3W+PE) 3 phase 3 wire		
Rated output power	200kW	215kW	225kW
Maximum output power	220kW	236kW	247kW
Rated output current	167A	180A	188A
Maximum output current	184A	198A	207A
Rated frequency	50/60Hz		
Power factor range	0.99/1 (leading)~1 (lagging) adjustable		
Current distortion rate	< 3% (rated power)		
Overload capacity	110% long term		
Maximum conversion efficiency	99%		
Protection characteristics			
Features	AC overcurrent protection, AC overvoltage protection, AC short circuit protection, DC surge protection, DC overcurrent protection, DC overvoltage protection, overtemperature protection, etc.		
General parameters			
Dimensions (width × height × depth)	810×350×845		
Altitude	4000m (> 2000m Derated use)		
Working temperature	-25℃ ~ 60℃ (> 45℃ Derated use)		
Storage temperature	-45℃ ~ 70℃		
Humidity	0%RH~95% RH, No condensation		
Cooling method	Intelligent air cooling		
Protection level	IP20+IP66		
Communication interface	CAN/RS485/Ethernet		

EPCS1250-ABT-MS/ EPCS1725- ABT-MS/ EPCS2500- ABT-MS/ EPCS3450- ABT-MS Energy storage PCS

Safe and stable

- Integrated cabinet design, highly protected Equipped with complete protection
- functions , strong anti-interference ability

Flexible deployment

- Integrated cabinet design makes operation more convenient
- Supports multiple devices in parallel and can be expanded to MW level

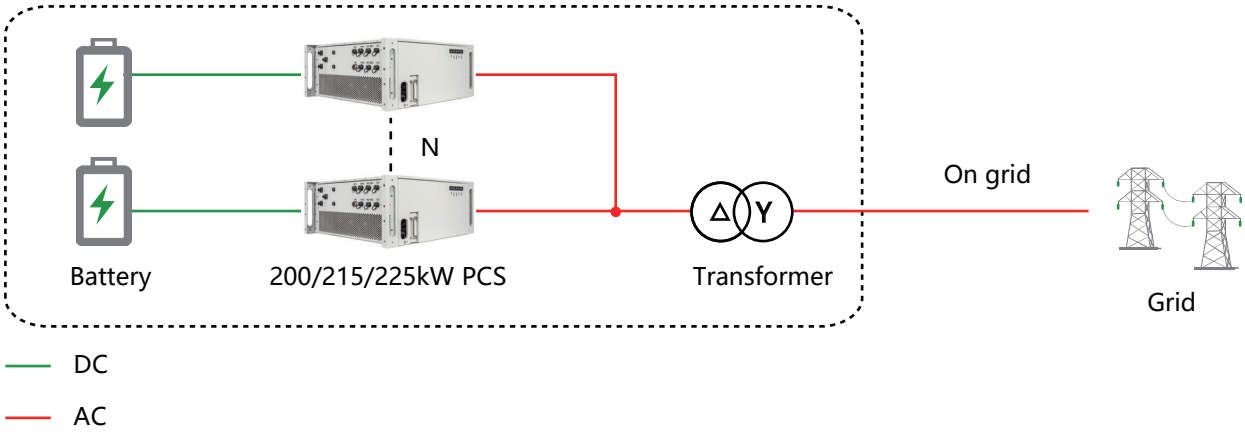
String management

- Cluster-level battery management, cluster-level battery optimization
- Longer system life, highly competitive

Grid friendly

- Support ms-level scheduling response, active network construction
- Support high and low voltage ride-through, proactively adapt to weak power grids

Typical application



Specification parameter table

Spec.	EPCS1250-ABT-MS	EPCS1725-ABT-MS	EPCS2500-ABT-MS	EPCS3450-ABT-MS
DC side				
Maximum charging power	1375kW	1897kW	2750kW	3795kW
Maximum discharging power	1375kW	1897kW	2750kW	3795kW
Working voltage range	1060V ~ 1500V			
Maximum current	1297A	1790A	2594A	3580A
AC side				
Rated voltage	690V			
Rated voltage range	-15% ~ +10%			
Wiring	(3W+PE) 3 phase 3 wire			
Rated power	1250kW	1725kW	2500kW	3450kW
Maximum power	1375kW	1897kW	2750kW	3795kW
Rated current	1047A	1445A	2094A	2890A
Maximum current	1152A	1590A	2304A	3179A
Rated frequency	50/60Hz			
Power factor range	0.99/1 (leading)~1 (lagging) adjustable			
Current distortion rate	< 3% (rated power)			
Overload capacity	110% long term			
Maximum efficiency	99%			
Protection characteristics				
Features	AC overcurrent protection, AC overvoltage protection, AC short circuit protection, DC surge protection, DC overcurrent protection, DC overvoltage protection, overtemperature protection, etc.			
General parameters				
Altitude	4000m(> 2000m Derated us)			
Working temperature	-25℃ ~ 60℃(> 45℃ Derated use)			
Storage temperature	-45℃ ~ 70℃			
Humidity	0%RH~95% RH, no condensation			
Cooling method	Intelligent air cooling			
Protection level	IP66			
Communication interface	CAN/RS485/Ethernet			