

100kW/135kW Energy Storage PCS Module



High-Efficiency Conversion

- Adopts a three-level topology with a maximum efficiency of up to 98.8%
- Equipped with intelligent air cooling, enabling no derating at 50°C



Flexible Application

- Supports multi-unit parallel operation and building block-style connection to meet diverse power requirements
- Modular design for easier installation, operation and maintenance (O&M)



Safe and Reliable

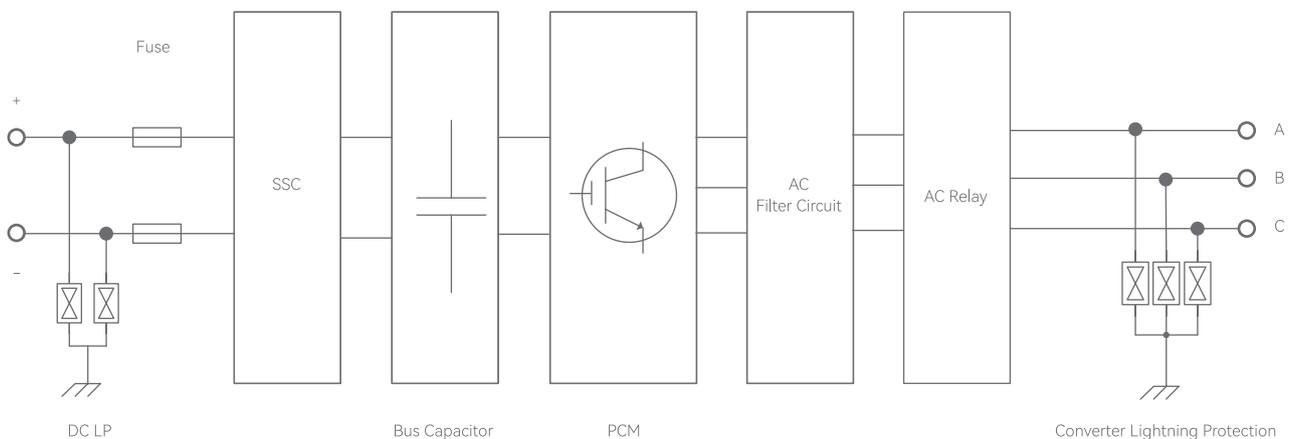
- Boasts an IP65 high protection rating for excellent environmental adaptability
- Multiple protection measures with automatic fault self-diagnosis function



Grid-Friendly

- Enables independent local management for peak shaving and valley filling
- Supports various fault ride-through (FRT) functions and weak grid applications with superior grid adaptability
- The 135kW energy storage converter features off-grid operation and unbalanced load carrying, greatly enhancing the product's load adaptability

Topology



Product Specifications	EAMPCS100K	EAMPCS135K
DC Side		
Rated DC Voltage Range	650V~1000V	650V~950V
Max DC Operating Current	188A	233A
No. of DC Input Channels	1	
AC Side (Grid-Connected)		
Rated Output Power	100kW	135kW
Max Output Power	110kVA	148.5kVA
Max AC Current	159A	215A
Rated AC Voltage	AC400V	
AC Voltage Range	340V~440V	
Rated Grid Freq./Grid Freq. Range	50Hz/45Hz~55Hz	
AC Current THD	<3% (Rated Power)	
Power Factor	>0.99 (Rated Power)	
Reactive Power Adjustable Range	-105%~105%	
AC Side (Off-Grid)		
Rated Output Voltage	/	400/230V
3-Phase Unbalance Capacity	/	100%
Seamless Grid/Off-Grid Transfer Time	/	≤20ms (Compatible with Grid-Connected/Off-Grid Transfer Cabinet)
Breaker-Controlled Non-Seamless Transfe	/	≤2s
Off-Grid Overload Capacity	/	Po≤1.1Pn for Long-Term Operation 1.1Pn < Po≤1.2Pn 1 min
Efficiency		
Max Efficiency	98.80%	99%
Protection		
DC Input Protection	Equipped	
AC Output Protection	Equipped	
Surge Protection	Equipped	
Grid Monitoring/Earth Fault Monitoring	Equipped	
Insulation Detection	Equipped	
Over-Temp. Protection	Equipped	
General Parameters		
Dimensions (W×H×D)	520×300×800mm	770×155×1140mm
Weight	≤68kg	≤120kg
Isolation Type	Non-isolated	
Protection Grade (IP)	IP65	IP66
Operating Temp. Range	-30°C~60°C (Derating above 50°C)	
Relative Humidity Range	0%~95% (No Condensation)	0%~100% (No Condensation)
Cooling Method	Intelligent Forced Air Cooling	Liquid Cooling
Max Operating Altitude	3000m	4000m
Communication	RS485, CAN	
Compliant Standards	GB/T34120, GB/T34133	

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*If there are any changes to the product size and parameters, the latest information shall prevail without further notice.



Our WeChat QR code