



Energy Storage Power Cabinet

Product Highlights:

The power cabinet is the power conversion part of the energy storage system. It adopts a modular design. Traditional non-isolated PCS or isolated bidirectional power conversion modules with higher safety can be selected according to actual needs, and photovoltaic MPPT can also be selected according to actual application scenarios. Module and configuration system power. The power cabinet is small in size, easy to install, and convenient for distributed deployment.

category	Non-isolated		Isolated	
	ICS375K1KFG	ICS250K1KFG	ICS125K1KFG	IES330K1KFG IES220K1KFG IES110K1KFG
environmental conditions				
Operating temperature	- 20°C ~ + 70°C(Derate above 50°C)			
Storage temperature	- 30°C ~ + 60°C			
Relative humidity	≤95%, no condensation			
Altitude	2000m(Derating over 2000 meters)			
Atmospheric pressure	79kPa ~ 106kPa			

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	ICS375K1KFG	ICS250K1KFG	ICS125K1KFG	IES330K1KFG	IES220K1KFG	IES110K1KFG
DC parameters						
voltage range	650Vdc-1000Vdc			300Vdc-1000Vdc		
current range	0A-600A	0A-400A	0A-200A	0A-600A	0A-400A	0A-200A
Input channels	3	2	1	3	2	1
AC parameters						
input format	three phase+N+PE			three phase+N+PE		
rated power	375kW	250kW	125kW	330kW	220kW	110kW
Rated voltage	380Vac			380Vac		
rated frequency	50Hz			50Hz		
voltage range	323Vac ~ 437Vac			323Vac ~ 437Vac		
Frequency Range	45Hz ~ 55Hz			45Hz ~ 55Hz		
power factor	≥0.99 (50 ~ 100 Rated output power)			≥0.99 (50 ~ 100 Rated output power)		
current harmonics	≤3% (50 ~ 100 Rated output power)			≤3% (50 ~ 100 Rated output power)		
Active Power Control	meet GB/T 34120 standard requirement			meet GB/T 34120 standard requirement		
Reactive power regulation	meet GB/T 34120 standard requirement			meet GB/T 34120 standard requirement		
power factor control	meet GB/T 34120 standard requirement			meet GB/T 34120 standard requirement		
Power Conversion Module						
Module model	BEG1K0110(non-isolated)			BEG1K075(Isolated)		
Module power	62.5kW			22kW		
number of modules	6	4	2	15	10	5
Protect						
Anti-Islanding Protection	with			with		
AC overcurrent/short circuitprotection	with			with		
AC overvoltage/undervoltageprotection	with			with		
AC over/under frequencyprotection	with			with		
AC incoming line phasesequence error protection	with			with		
Three-phase unbalanceprotection	with			with		
DC overcurrent protection	with			with		
DC overvoltage/undervoltageprotection	with			with		
over temperature protection	with			with		
Communication failureprotection	with			with		
Cooling system failsafe	with			with		
Other parameters						
Maximum rectification efficiency	98.7			95.5		