Seamless On-Off Grid Transfer Cabinet

630A to 1071A



Jinko's switch cabinet is designed for harsh environments and multi-source power systems, features IP55 rating, -30~55℃ wide-temperature operation, and natural cooling. Supporting integration of energy storage, PV, generator, and utility, with a 20-year design life.It is designed for C&I energy storage, microgrids, and industrial power distribution.

All-Weather Toughness

IP55 rated, -30°C to 55°C wide temperature operation with natural cooling, C3-M corrosion protection, and full rating at 4000m altitude for direct outdoor installation in harsh environments.

20-Year Design Life

Fanless natural convection cooling eliminates fan failure risks, ensuring higher MTBF and a 20-year design life for lower total cost of ownership.

All-In-One Integration

Built-in ports for grid, load, ESS, PV and genset enable direct PCS connection (130kW×4 for 742kW model), 100% conversion efficiency.

Seamless Transfer within 20ms

Solide state transfer in less than 20ms with 1.1x overload capability for 1 minute reliably handles industrial inverters, PLCs, lighting and motor start-up loads.

Specification

Model	JKST-436KL-AA	JKST-742KL-AA
AC Side (Grid)		
Rated Voltage	400V，3W+N+PE	
Rated AC Power	436kW	742kW
Rated AC Current	630A	1071A
Rated Frequency	50/60Hz	
AC Side (Load)		
Rated Voltage	400V，3W+N+PE	
Rated AC Power	250kW	436kW
Rated AC Current	360A	630A
AC Side (Battery)		
Rated AC Power	130kW*2	130kW*4
Rated AC Current	187A*2	187A*4
Rated Frequency	50/60Hz	
AC Side (Generator)		
Rated AC Power	250kW	436kW
Rated AC Current	360A	630A
Rated Frequency	50/60Hz	
AC Side (PV)		
Rated AC Power	250kW	436kW
Rated AC Current	360A	630A
Rated Frequency	50/60Hz	
System Parameters		
Bypass Function	Standard	
Switching Time	＜20ms	
Overload Capability	1.1 times @ 1 min	
UPS Power Supply	1kVA / 220VAC	
Dimension (W×D×H)	1300×750×1800 mm	
Weight	⩽800kg	⩽800kg
Operating Temperature	-30°C~55°C	
Operating Altitude	⩽4000m	
Cooling Method	Air cooling	
Design Life	20 years	
Ingress Protection	IP55	
Corrosion Protection Level	C3-M	

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