

KXAHLX-AC

光伏交流汇流箱

Photovoltaic AC

Combiner box



KXAHLX-AC 光伏交流汇流箱

Photovoltaic AC current box



概述 Overview

KXAHLX photovoltaic grid connected box is an important power protection part suitable for series photovoltaic power generation systems, which is used to connect series inverters and power grid systems. The circuit protection part adopts photovoltaic grid connected circuit breakers, pull ring isolation switches, and adopts secondary explosion-proof protection. The protection level is the same as the series inverter | P65, meeting the requirements of outdoor installation, and meeting the requirements of waterproofing, dust-proof, UV protection, salt spray corrosion prevention, etc. The internal structure of this product is concise and the wiring is neat and reasonable. High reliability, simple maintenance, outdoor wall mounted installation, able to adapt to various harsh environments. In addition to standard materials and sizes, customization can be made according to user requirements. The KXAHLX-AC photovoltaic AC combiner box is an important component suitable for series photovoltaic power generation systems, which is used to connect series inverters with AC distribution cabinets or step-up transformers. The incoming line of this combiner box uses a circuit breaker input, and the output uses a circuit breaker or load isolation

switch. After the busbar converges, it adopts secondary lightning protection. The maximum rated voltage of the system is AC690V, and the protection level is | P65, which meets the requirements for outdoor installation, Meet the requirements of waterproofing, dust prevention, UV protection, and salt spray and turbidity prevention.

This product greatly simplifies the wiring between the string inverter and the AC distribution cabinet or step-up transformer. The internal structure of this product is simple and clear, and the wiring is neat and reasonable. High reliability and simple maintenance. Outdoor wall mounted installation, capable of adapting to various harsh environments. In addition to standard materials and sizes, customization can be made according to user requirements.

技术参数 Technical Parameters

Project	FWHLX-AC4	FWHLX-AC6	FWHLX-AC8
Number of input channels	1~4	5~6	7~8
Maximum input voltage	AC690		
Each input current	0~100A		
Maximum output current	250A	400A	630A
Rated working voltage U_n	480VAC		
Voltage protection level U_p	480VAC		
Nominal flow capacity I_n (8/20 μ S)	20KA (optional according to customer requirements)		
Maximum flow capacity I_{max} (8/20 μ S)	40KA (optional according to customer requirements)		
Response time	<25ns		
Temperature and humidity	Working temperature: -40~+85 °C, temperature 95%, no condensation, no corrosive gas in the workplace		
altitude	$\leq 4000m$		
Cabinet material	Hot dip galvanized steel plate/stainless steel/cold-rolled steel plate		
Cabinet protection level	IP65		
Cable joint protection level	IP66		
Cable joint protection level volume (width * height * depth)	800mm*600mm*200mm	800mm*800mm*200mm	800mm*1000mm*200mm