Technical Parameters

AHF Module

Model	Wiring Form	Voltage Level(V)	Capacity（A）	Installation Size W*D*H (mm)
RSPQC-AHF-15-4-4L	3P3W 3P4W	400	15	360x390x125
RSPQC-AHF-25-4-4L			25	470x492x137
RSPQC-AHF-50-4-4L			50	480x530x200
RSPQC-AHF-75-4-4L			75	480x530x200
RSPQC-AHF-100-4-4L			100	480x530x200
RSPQC-AHF-150-4-4L			150	680x530x200
RSPQC-AHF-200-4-4L			200	680x530x200

Free Landing AHF Cabinet

Model	Wiring Form	Voltage Level(V)	Capacity（A）	Installation Size W*D*H (mm)
RSPQC-AHF-150-4-4L	3P3W 3P4W	400V	150	800x800x2200
RSPQC-AHF-XXX-4-4L		400V	xxx	800x800x2200
RSPQC-AHF-750-4-4L		400V	750	800x800x2200

Note: 1. The cabinet capacity can be any combination between 50A～750A, and the larger capacity cabinet can be customized. -800x800x2200mm (W * D * H) cabinet, the maximum capacity: 600A. -1000x1000x2200mm (W * D * H) cabinet, maximum capacity: 750A. 2. Cabinet protection level: IP30 (IP40 can be customized). 3. The cabinet contains all the components in the cabinet, such as APF modules, RS-LCD LCD controllers, circuit breakers, etc., but does not include branch bus bars, through bus bars, N rows, etc. connected to the external power grid. 4. External sampling CT is generally provided by the customer on site and can be ordered separately.

AHF
Working Principle

The AHF is built on a voltage-source inverter. It uses an external current transformer to collect real-time current signals. An internal detection circuit isolates the harmonic components, and an IGBT power converter generates a compensating current that matches the magnitude of the harmonics but with an opposite phase. This process filters out the harmonics from the system.