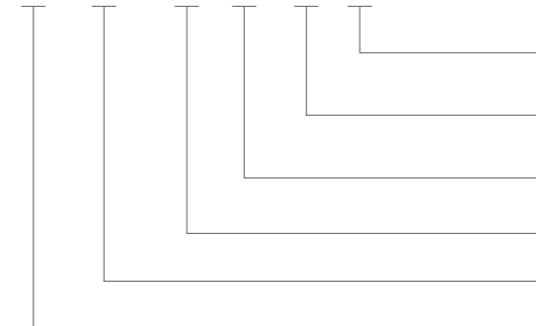


Intelligent Capacitor Series

HY-RZC low voltage intelligent power capacitor takes two groups (Δ type) or one group (Y type) of low voltage power capacitor as the main body, adopts micro-electronics software and hardware, micro sensor and other latest technologies, changed the backward controller technology and switching technology of traditional reactive power compensation device, and the bulky and heavy structure pattern, has the advantages of simple structure, convenient production, reduce cost, improve performance, convenient maintenance and so on, meets the higher demand of modern electric power customer for reactive power compensation, is a new generation of intelligent reactive power compensation device applied to 0.4 kV low-voltage power grid.

MODEL

HY-RZC-0.4/□+□-□



Compensation mode: S
three-phase compensation F
split-phase compensation
Secondary compensation capacity
(unit: kVar)
Primary compensation capacity
(unit: kVar)
Voltage grade:0.4kV
Intelligent capacitor
Huayi LV electric brand name

Note: split-phase compensation is without secondary compensation capacity

PRODUCT FEATURE

Switching switch device has strong withstand voltage impact ability and withstand strike current ability

- Withstand voltage of impact ability > AC3500V (DC5000V)
- Current shock resistance ability \geq 100 times rated current
- Rated time of switching \geq 1 million times

Zero-crossing switching performance of switching switch is excellent

- The deviation degree of switching < 2.5°
- Switching flow < 2.5 times rated current

Man-machine coordination

- Use liquid crystal display, real-time display condition data
- Use three-color LED lights (yellow, green, red) to indicate the operation of state

Protection function

- With overvoltage, undervoltage, electric loss protection, short circuit protection, over-current and over-temperature protection and other functions

Intelligent network functions

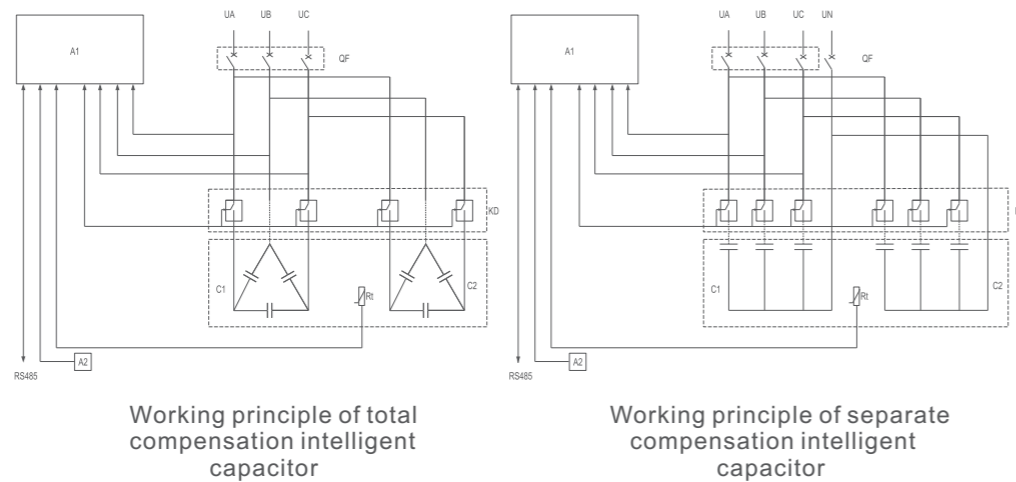
- Use intelligent network technology to build RS485 communication methods to realize data exchange between devices

9 Intelligent Capacitor Series (HY-RZC)



WORKING PRINCIPLE

Intelligent capacitor is mainly composed of intelligent control unit, zero-crossing switching switch device, low voltage power capacitor, and the internal temperature of the capacitor and acquisition of the current signal, etc, divides into total compensation and separate compensation, specific principle diagram is as follows.



TECHNICAL PARAMETERS

Item	Parameters
Rated Voltage	AC400V ± 20%
Rated frequency	50Hz
Reactive power capacity	(three-phase type) single set ≤ 40kVar ; (split-phase type) single set ≤ 30kVar
Reactive power compensation error	≤ ±5% of the minimum capacitor capacity
Capacitor switching delay	5~185S is adjustable
The sensitivity	200mA
Control switching accuracy	100%
Mechanical action life of switching switch device	more than 1.2 million times
Run-time decay rate of capacitor capacity	<2%/year
Ambient temperature	-10~55℃, special ambient temperature needs to be customized
Relative humidity	40℃, 20~90%
Altitude	≤2000m, special altitude should be customized

Sales And Service Network



- Shanghai Office: Pudong
- Jiangsu Office: Nanjing
- Hunan Office: Changsha
- Hubei Office: Wuhan
- Jiangxi Office: Nanchang
- Chongqing Office: Yuzhong
- Sichuan Office: Chengdu
- Xinjiang Office: Wulumuqi
- Shanxi Office: Xi'an
- Yunnan Office: Kunming
- Guangxi Office: Nanning
- Guangdong Office: Guangzhou
- Shandong Office: Jinan
- Shanxi Office: Taiyuan
- Hebei Office: Shijiazhuang
- Dongbei Office: Shenyang
- Beijing Office: Beijing

SERVICE CONTENT

- Pre-sale services:** project consultancy, demand analysis, field test, schematic design and evaluation
- On-purchase service:** plan implementation, debugging, training
- After-sale service:** operation maintenance, regular review, emergency treatment

SERVICE COMMITMENT

Reply to customer in 2 hours; arrived on the scene in 12 hours; solve the problem in 24 hours

CUSTOMER PERFORMANCE



State Grid Corporation of China



Wanda Group



Greenland Group



Tianqi Pharmaceutical Group



Hangzhou Metro