

Power Compensation Complete Device



Rongzhi Electric Power is a large-scale power compensation complete device manufacturer and supplier in China. We have been specialized in High voltage equipment for many years. Our products have a good price advantage and cover most of the South America, Middle East, Africa, Southeast Asia markets. We look forward to becoming your long-term partner in China.

Rongzhi power compensation complete device

Application area

The device is mainly used for 35kV and below power system, through the automatic switching capacitor bank on 35kV and below bus to achieve comprehensive control of substation voltage and reactive power . Improve the power factor of the system, reduce the loss of transformers and lines, improve the quality of power supply voltage.

When the device is facing the user elaborate design, can be widely used in metallurgy, mining, building materials, petroleum, chemical industry, municipal and other three-phase ac power system, responsible for product field installation and debugging, considering the harmonic problems, enterprise users can design series reactance rate is 4.5% or more of the reactor, makes the user's harmonic governance.

Secondly, the device can be used in large substations of rural power grid to compensate reactive power of the system to the maximum extent considering the characteristics of daily variation and seasonal variation of substation load of rural power grid.

The device can be used in unattended substation of urban network and has the function of "four remote".

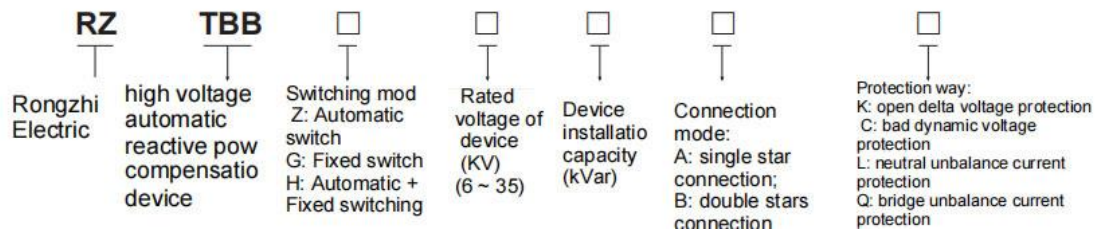
The device can be used for the old substation capacitor device transformation, improve the level of automation and operation of the substation.



Rongzhi power compensation complete device

Functional features

- Reduce line loss and voltage drop, shorten the starting time, reduce the starting current;
- Equipped with high voltage charged display and electromagnetic lock, with forced locking function to ensure the safety of operation and maintenance personnel.
- In place compensation structure design is reasonable, easy to use, synchronous switching with the motor, maintenance-free operation.
- Improve the transformer load rate and efficiency of electrical equipment, reduce the working temperature of the motor.



Rongzhi power compensation complete device Model

Parameter and Size

| Size | Capacity (kVar) | Each Capacitor Capacity (kVar) | Cabinet Quantity (Set) | Minium Size (W×D×H)(mm) |
|------------------|-----------------|--------------------------------|--------------------------|-------------------------|
| RZTBB □ 6-100-AK | 100 | 33.4 | 1 | 1000×1500×2200 |

| | | | | |
|-------------------|------|------|---|----------------|
| RZTBB □ 6-150-AK | 150 | 50 | 1 | 1000×1500×2200 |
| RZTBB □ 6-200-AK | 200 | 66.7 | 1 | 1000×1500×2200 |
| RZTBB □ 6-300-AK | 300 | 100 | 1 | 1000×1500×2200 |
| RZTBB □ 6-400-AK | 400 | 134 | 1 | 1000×1500×2200 |
| RZTBB □ 6-500-AK | 500 | 167 | 1 | 1000×1500×2200 |
| RZTBB □ 6-600-AK | 600 | 200 | 1 | 1000×1500×2200 |
| RZTBB □ 6-700-AK | 700 | 234 | 1 | 1100×1500×2200 |
| RZTBB □ 6-800-AK | 800 | 267 | 1 | 1100×1500×2200 |
| RZTBB □ 6-900-AK | 900 | 300 | 1 | 1200×1600×2300 |
| RZTBB □ 6-1000-AK | 1000 | 334 | 1 | 1000×1600×2300 |
| RZTBB □ 6-1200-AK | 1200 | 400 | 1 | 1200×1600×2400 |
| RZTBB □ 6-1500-AK | 1500 | 250 | 1 | 1700×1600×2400 |
| RZTBB □ 6-1800-AK | 1800 | 300 | 1 | 1700×1600×2400 |
| RZTBB □ 6-2000-AK | 2000 | 334 | 1 | 1800×1600×2400 |

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| RZTBB □ 10-1200-AK | 1200 | 400 | 1 | 1200×1600×2400 |
| RZTBB □ 10-1500-AK | 1500 | 250 | 1 | 1700×1600×2400 |
| RZTBB □ 10-1800-AK | 1800 | 300 | 1 | 1700×1600×2400 |

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|------------------------|------|-----|---|----------------|
| RZTBB □ 10- 2000-AK | 2000 | 334 | 1 | 1800×1600×2400 |
|------------------------|------|-----|---|----------------|

Rongzhi power compensation complete device Normal conditions of use

- Altitude: not higher than 1000m
- Ambient temperature: -25℃ ~ +55℃
- Relative humidity: not more than 85%
- The operation site is not allowed to exist explosive danger medium, the surrounding medium should not contain corrosive and destroy the insulation of gas and conductive medium, not allowed to be full of water vapor and serious mold.