

TBBW Intelligent Reactive Power Compensation Series Devices

General description

The series of devices are introduced the microcomputer control program by the Computeraided Design (CAD) so as to trace and compensate the reactive electricity intelligently. With the reasonable construction and advanced techniques, these devices are widely applied to low voltage electric network to promote power factor, reduce reactive loss, and improve the quality of power supply, therefore they are the energysaving products of the new generation.

Main characteristics

1. Small volume and easy installation and maintenance.
2. Controlled by the microcomputer, with complete range of functions and reliable performance; Automatic and manual compensation methods are available to switch over casually.
3. Digital displayed power factor convenient to observe the operation status.
4. Safe operation owing to the over voltage protection function, and once the voltage return normal, the device will continue the normal operation automatically.

Main technical characteristics

1. Service conditions: Altitude $\leq 2000\text{m}$, ambient temperature $-25^{\circ}\text{C} \sim 45^{\circ}\text{C}$, humidity $\leq 90\%$ at 20°C and $\leq 50\%$ at 40°C , and mounting gradient $\leq 5^{\circ}$
2. Rated voltage: 400VAC, 50Hz.
3. Rated output: 30, 36, 40, 48, 56, 60, 64, 72, 84, 90, 96Kvar.
4. Operating voltage range: (0.85 ~ 1.10) times of rated voltage.
5. Max allowable current: 1.30 times of rated current.
6. Number of circuits controlled: 4, 6.
7. Switching time: 30 ~ 90s/time, adjustable.
8. Operation method: Automatic, continuous operation.
9. When the load varies from 5% to 100%, the $\cos\phi$ value remains over 0.95.

Overall dimension & installation wiring diagram

Output Kvar	A (mm)	B (mm)	C (mm)
30-60	670	850	410
72-96	810	850	410

