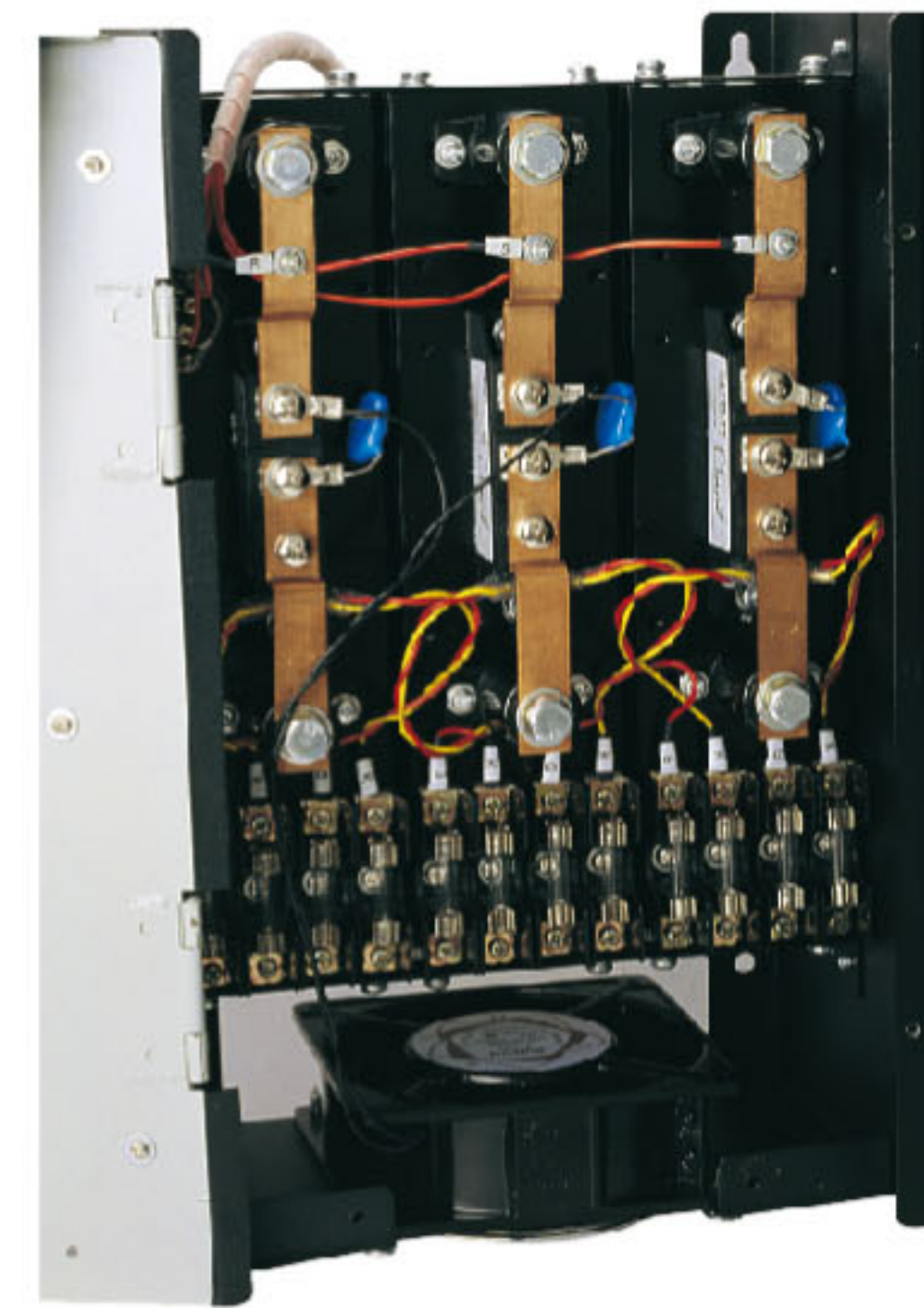
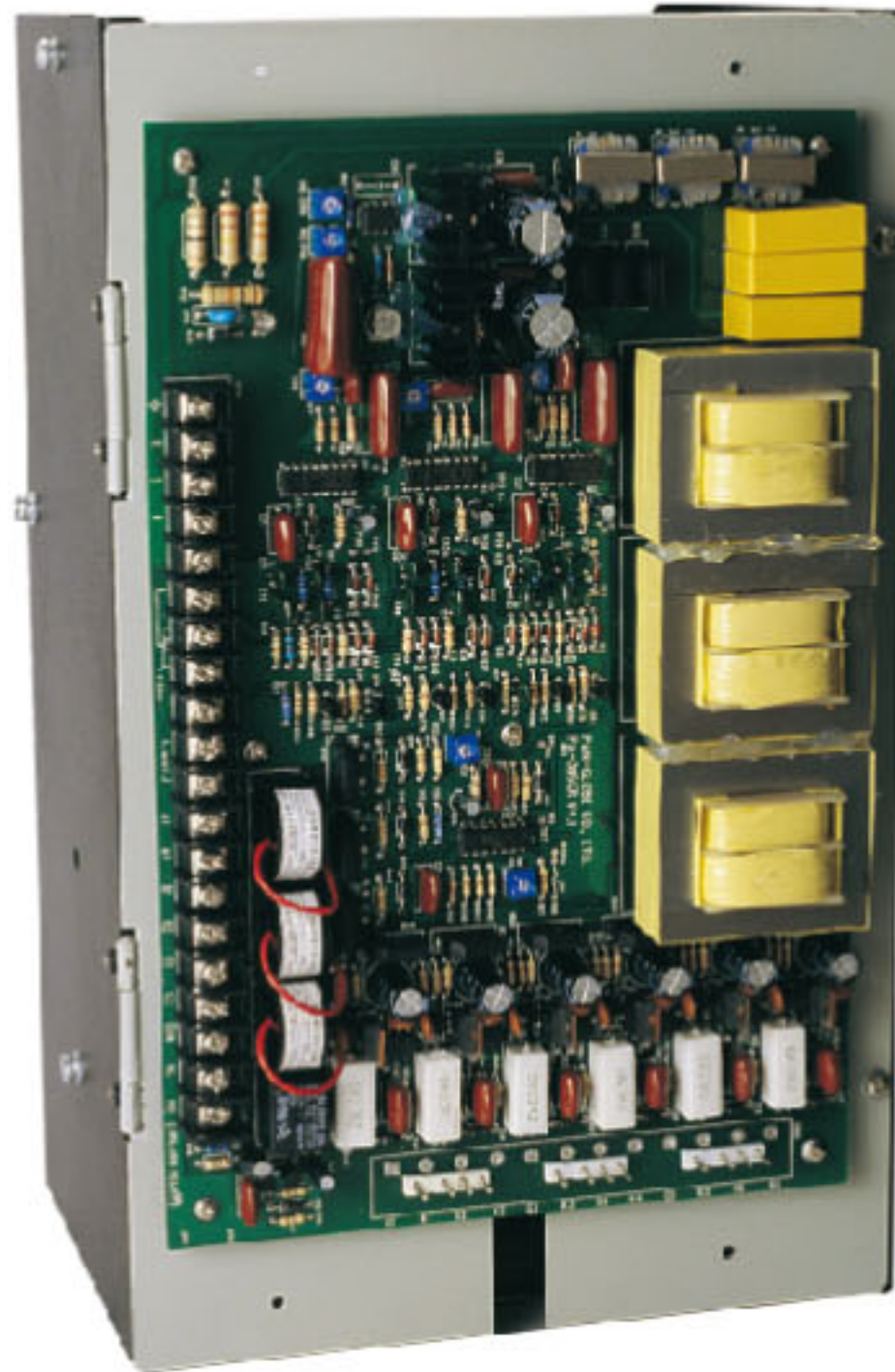
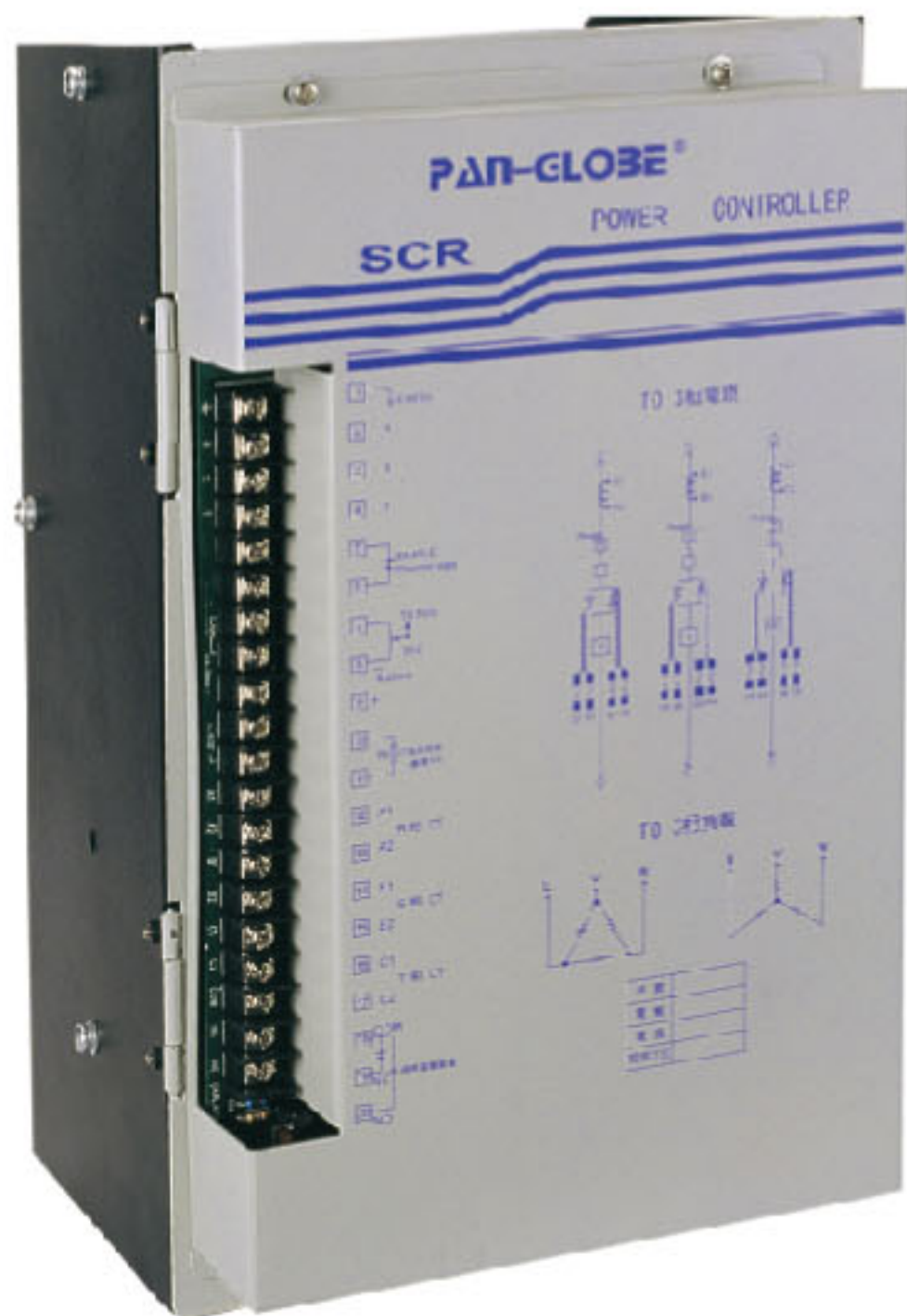




P SERIES SCR POWER REGULATOR



Introduce of produc

SCR power regulators are widely used in different power regulation equipment in the industry, such as kilns, thermal treatment furnaces, electric heating furnaces, electroplating equipment, launching machines, extruders, high cycle machines, etc. The power regulators of the company are applicable to various kinds of equipment in different control modes to meet the requirements of clients.

Characteristics

- Characteristics of products
- Sealed IC circuit boards of SCR power modules are used
- Full electronic safety devices (quicker than high rate fuses), in the time of passing current, it automatically cuts off the trigger devices to protect the controlled silicon.
- Exceptional interference resistance, capable of being used for transformer load, high frequency device earlier stage voltage regulators
- With current feedback applicable to negative resistance load such as silicon molybdenum rods, platinum heaters
- Capable of performing different control changes (e.g. fixing current and voltage)
- Easy for installation, not easy to be impacted with high control accuracy

Appendix forms

$$\blacktriangle 1\phi \text{ current} = \frac{\text{KAV X 1000}}{\text{line voltage}}$$

$$\blacktriangle 3 - \text{ phase current} = \frac{\text{KAV X 1000}}{\sqrt{3} \text{ line voltage}}$$

P	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Power supply	Code	Control mode	Code	Power voltage	Current	Protective mode	Code	Feedback control	Code
	Single phase	1	Phase control	P	110V	40A ~ 1200A	NO	0	NO	0
	3-phase	3	Zero Crossover	D	220V		fuses	1	Current	1
					380V		High speed electronic switch	2	Voltage	2
					440V					

P SERIES SCR POWER REGULATOR



Technical parameters

Control input signals	Current input: 4-20mA DC input impedance: 250Ω
	Voltage input: 1-5V
	Manual input: 5KΩ potentiometer
Load rated voltage range	110V: 110V AC ± 10% 50HZ
	220V: 220V AC ± 10% 50HZ
	380V: 380V AC ± 10% 50HZ
	440V: 440V AC ± 10% 50HZ
Effective value current and refrigerating mode	Air cooling mode 40A, 60A, 80A, 100A, 160A, 200A, 300A, 400A
	Water cooling mode 600A~1200A
Load connection mode and phase identification (3 phases)	Load mode: triangular or star type center not to grounding. Phase shift range: 1-120°
	Phase identification: If R-S-T wiring is correct, then SCR controller phase identification neon lights are on
Control mode	Phase control voltage regulation type (non feedback type)
	Phase control voltage regulation type (current feedback type)
	Distribution type zero position control power regulation
Electronic protection	Protective action: When the current exceeds 130% of the rated current (adjustable), the input is disconnected and there will be damage to any parts.
	Alarm relay action
	Action time: <20ms Reset: Press Reset for power on or off or restart
	Relay contact capacity: 250V AC 3A
Radiator excess temperature protection system	Protection action: When the temperature of the radiator exceeds 75°C, the output is disconnected
	Action time: <20ms
	Power restarts when the reset failure is removed
Operation ambience	Peripheral temperature range: -10-50°C Peripheral humidity: ≤90%RH
Insulating impedance	Minimum 20MΩ 500VDC
Insulating strength	2000VAC 1 minute (220V) 2500VAC 1 minute (380V)
Materials and external coatings	Steel plate/paint coatings