

# SCR Power Regulator (Phase Angle Control)

電熱調整器

## Features

- High thermal efficiency, Hundred percent continuous power output.
  - 散熱效率高，可連續百分之百功率輸出
- Linear accurate, stable.
  - 線性、精準、穩定
- Built-in high-speed fuse.
  - 內裝高速保險絲
- Screw mounting, easy installation and removal.
  - 螺絲固定式安裝，易安裝、拆卸
- Withstand high temperatures and high voltage, high current.
  - 耐高溫及耐高電壓、電流

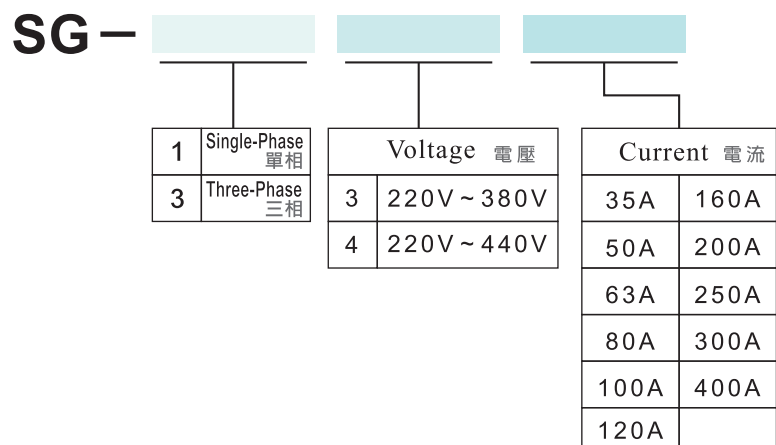
## Specifications

POWER 適用電壓	AC 220V ~ 380V、AC 220V ~ 440V ± 15%、50 / 60 Hz
Load current 負載電流	35A、50A、63A、80A、100A、120A、160A、200A、250A、300A、400A
Auxiliary power 輔助電源	AC 220V ± 15%、50 / 60 Hz
Input signals 輸入信號	Current : 4~20mA 電流 : 4~20mA Voltage : 1~5V/0~10V/2~10V DC/VR adj. by manual 電壓 : 1~5V/0~10V/2~10V DC / VR手動調整
Load test 負載測試	Normal conduction, Minimum load current is 0.5A or more. 正常導通，負載最低電流 0.5A 以上
Working environments 使用環境	Temperature: 0 ~ 50°C 溫度 : 0 ~ 50°C Humidity: under 90 % RH (no dew) 濕度 : 90% RH以下 (不結露)

LED lamp indication : LED 燈號顯示

POWER	Auxiliary power supply lamp (Green)	輔助電源指示燈(綠燈)
INPUT	Indication of input lamp (Green)	正常入力指示燈(綠燈)
OUTPUT	Indication of output lamp (Red)	輸出指示燈(紅燈)
ERR	Fuse break or main source error lamp (Yellow)	保險絲斷線指示燈，過電流異常指示燈(黃燈)

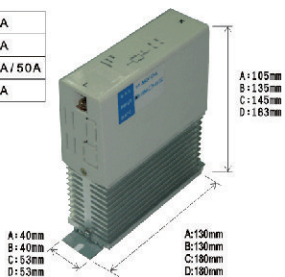
## Model & Suffix codes



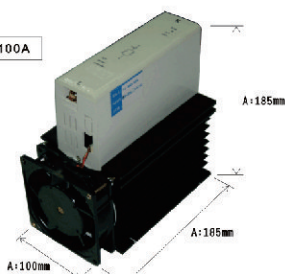
## External dimensions

### \* Single-Phase 單相

A	16A
B	25A
C	35A / 50A
D	63A



A 80~100A

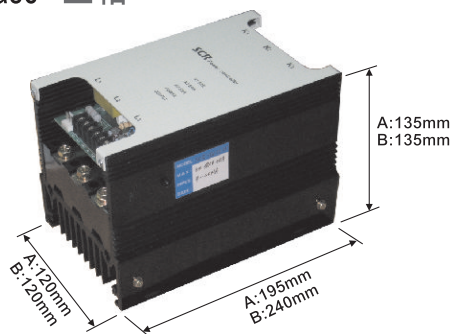


A	120~160A
B	200~250A
C	300~400A

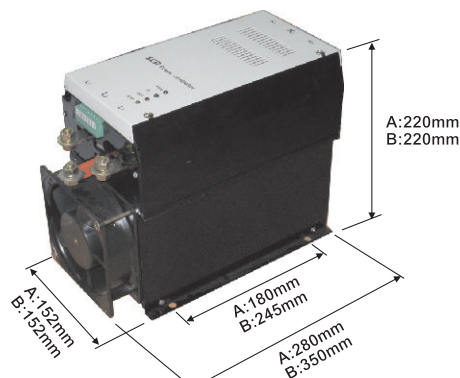


### \* Three-Phase 三相

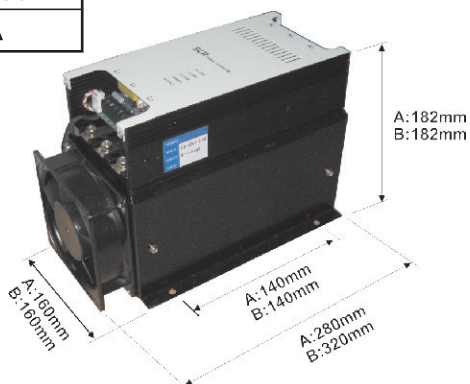
A	35A
B	50A



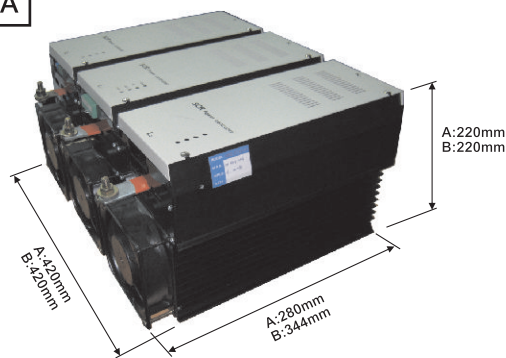
A	120A/160A
B	200A



A	63A/80A
B	100A



A	250A
B	300A/400A



## ● Troubleshooting Reference Table

□ 故障排除參考表

Code 代碼	LED Color LED顏色	LED function indicator LED功能指示	Fault Possible Cause 異常故障可能原因	SUGGESTED SOLUTIONS 處理對策
Power	Green 綠燈	Power supply lamp 電源指示燈 Lamp lighting means normal 燈亮表示正常	<ul style="list-style-type: none"> <li>● No power of Aux. source. 輔助電源未送電</li> <li>● Malfunction on PCB board. PCB基板故障</li> </ul>	<ul style="list-style-type: none"> <li>● Check the Aux. power supply. 檢查輔助電源是否有AC 220V</li> <li>● Repair or replace. 更換新品或送修</li> </ul>
IN	Green 綠燈	Indication of input lamp 輸入信號指示燈 Lamp lighting means normal 燈亮表示正常	<ul style="list-style-type: none"> <li>● No output signal from TIC. TIC輸出訊號未輸出</li> <li>● Output signal from TIC is reverse. TIC輸出訊號極性相反</li> <li>● Max value of internal output or External VR is zero setted. 內部MAX或外部VR歸零</li> </ul>	<ul style="list-style-type: none"> <li>● Check the output signal of TIC. 檢查輸入訊號</li> <li>● Check Adj. VR OR Shorting. 檢查ADJ VR 或外部VR短路片</li> <li>● Repair or replace. 更換新品或送修</li> </ul>
OUT	Red 紅燈	Indication of output lamp 輸入信號指示燈 Lamp lighting means normal 燈亮表示正常	<ul style="list-style-type: none"> <li>● Reverse the connecting of output signal. 輸入訊號正負接反</li> <li>● Fuse or Load break. 保險絲或負載斷線</li> <li>● Malfunction on PCB board. PCB電路板故障</li> </ul>	<ul style="list-style-type: none"> <li>● Check the lamp IN, NO indication means no output signal from TIC or reverse wired. 檢查IN燈，燈未亮表示無輸入訊號或正負接反</li> <li>● Check the power output or Load break. 檢查主電源或負載斷線</li> <li>● Repair or replace. 更換新品或送修</li> </ul>
ERR	Yellow 黃燈	Fuse break or main source error lamp light 保險絲指示燈 Lamp lighting means error 燈亮表示異常	<ul style="list-style-type: none"> <li>● Fuse or Load break. 保險絲斷線</li> </ul>	<ul style="list-style-type: none"> <li>● Replace the fuse. 更換保險絲</li> </ul>