

Intelligent Single-phase AC Module (single-phase AC voltage-regulation, various protections)

Introduction

The product is a multi functional power-integrated module which is encapsulated together by thyristor power circuit, phase-shift trigger control circuit, signal-check circuit, PI modulation circuit, feedback circuit and protection circuit etc. It can realize voltage-regulation.

Features

- Protection function for over current, over heat and lack phase
- Steady voltage and current circuit with linear control
- German glass passivation chips
- 'ZKH' vacuum welding technology, high quality and long life
- Hand, meter adjustment and computer control
- Special IC, SMT circuit board, high frequency trigger transformer, RTV seal, super stability and reliability
- German DCB ceramic plate, $V_{ISO}=2500V$, small thermal resistance and super thermal conductivity
- Particular 'KCF' structure design, small size, light weight, easy to install



Applications

- Excitation power supply
- Various power supplies
- Battery charge and discharge
- DC motor
- Temperature adjustment and control
- AC steady voltage, constant current system

Model	Max. output Current A_{RMS}	Operating voltage V_{AC}	Control voltage V_{DC}	Control current mA_{DC}	Bottom temp. $^{\circ}C$	Outline
SGIDA1-50	50	280, 480	± 12	≤ 200	≤ 80	WM18
SGIDA1-70	70					
SGIDA1-120	120					
SGIDA1-150	150					
SGIDA1-200	200	280, 480	± 12	≤ 300	≤ 80	WM20
SGIDA1-250	250					
SGIDA1-350	350					
SGIDA1-500	500					

Circuit Configuration

