

Intelligent Three-phase AC Module (three-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 has realized miniaturization, modularization and intellectuaization of three-phase voltage regulation equipment.

Features

- Non-phase ordered demand
- 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
- AC / 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
SGITA1-50	3×50	480	±12	≤400	≤80	WM19
SGITA1-70	3×70					
SGITA1-120	3×120					
SGITA1-150	3×150					
SGITA1-200	3×200	480	±12	≤400	≤80	WM21
SGITA1-250	3×250					
SGITA1-350	3×350					
SGITA1-500	3×500					

Circuit configuration

