SK601 IGBT driver card introduction

Single 15V power supply, it is recommended to use a switching power supply with a power of more than 100W

Using brand IGBT drive core, single channel 4W output power, peak current ±30A

Full-bridge inverter control design, directly drive four signal IGBTs, reserved with expansion interface

Power status, driving signal and fault signal are indicated by LED, the working status is clear at a glance

Primary and secondary side 4.5KV electrical isolation, safe and reliable

Desaturation detection short circuit protection and power supply undervoltage protection function. The upper and lower tubes prevent short-circuit output design, prevent false trigger output, and avoid IGBT tube explosion (but if customer connected wrong or set parameter wrong, big current will burn both IGBT and driver card.)

Suitable for driving medium and high power IGBTs

The driving switching frequency is up to 60KHz (the higher the driving frequency, the capacity of the driven IGBT module will be correspondingly smaller)

Dimensions: 200 * 160 * 30 mm Hole size: 185 * 145mm

Driver card power supply, DC15V power supply, pls pay attention do not connected + and - wrong

PWM control signal terminal, connected with 20PIN cable to the main control board

Signal indicator

PS: power suppy

FA: 1st driver fault

FB: 2nd driver fault

S1: 1st signal indicator

S2: 2nd signal indicator

S3: 3rd signal indicator

S4: 4th signal indicator

Output indicator

1st IGBT driver signal, S1 upper tube driver

2nd IGBT driver signal, S2 down tube driver

1st IGBT driver signal, S3 upper tube driver

2nd IGBT driver signal, S4 down tube driver

This is the expansion terminal, for users to parallel use more IGBTs, won't be there if users only need one driver card