

## SK603 IGBT driver card introduction

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

Driver type:EconoDUAL™ IGBT Module, For Plug and Play

drives:2SP0115/2SP0320/2SP0430

Full-bridge inverter control design, This driver module can control the drivers of both H-bridges.

When multiple H-bridges need to be controlled in parallel, more drivers need to be driven when expanding the interface.

Power status, drive signals, and fault signals are indicated by LEDs, making the operating status clear at a glance.

The upper and lower tubes are designed to prevent short circuits in the output, thus preventing accidental triggering and avoiding IGBT tube failure.

Especially suitable for high-power power supplies, where multiple IGBT modules are used in parallel to increase power output.

External dimensions:300X100X30mm    Opening size:285X85mm

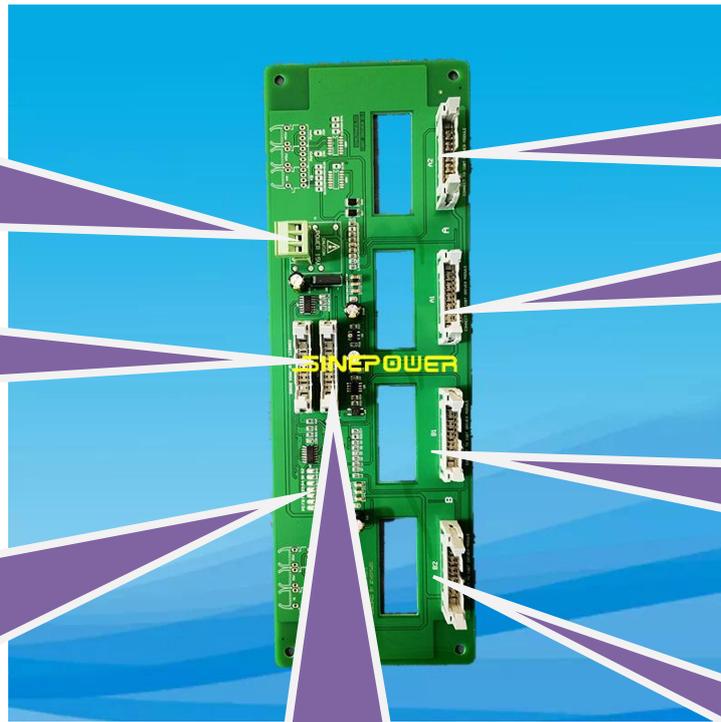
This module is shipped in green, blue, or blackboard colors, with the color being random. Half-bridge drivers are also supported, but this needs to be specified beforehand.

**Note: SK603A is the version with a 20-pin ribbon cable connection, while SK603B is the version with a fiber optic connection.**

The power supply for the drive adapter module is DC 15V. Pay special attention when wiring to avoid incorrect voltage and polarity.

The PWM control signal interface is connected to the main control board via a ribbon cable.

- Signal indicator
- PS: power supply
  - FA: 1<sup>st</sup> driver fault
  - FB: 2<sup>nd</sup> driver fault
  - S1: 1<sup>st</sup> signal indicator
  - S2: 2<sup>nd</sup> signal indicator
  - S3: 3<sup>rd</sup> signal indicator
  - S4: 4<sup>th</sup> signal indicator



1<sup>st</sup> IGBT driver signal, One driver board supports two parallel transistor drives

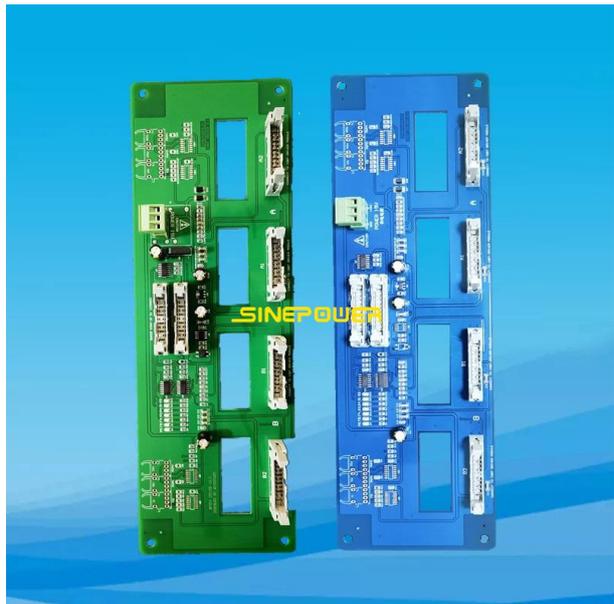
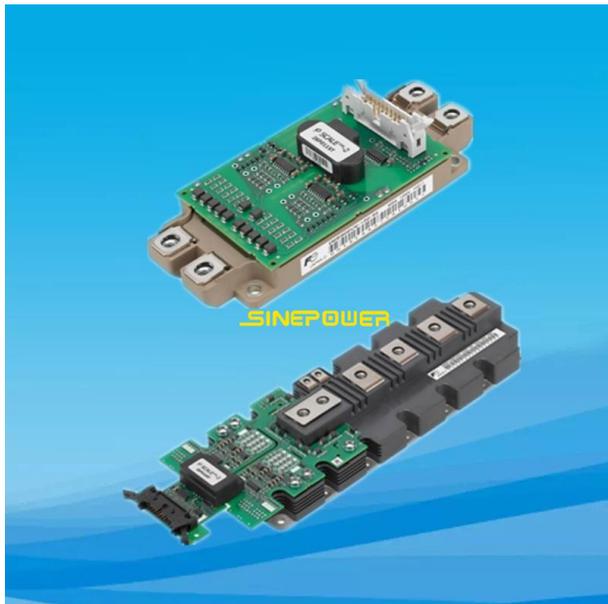
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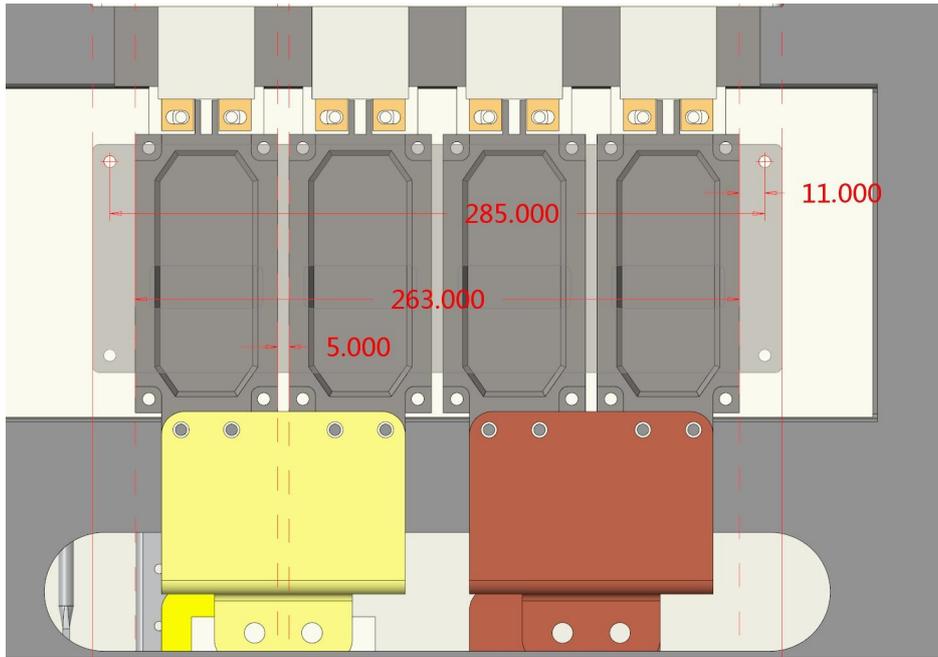
2<sup>nd</sup> IGBT driver signal, One driver board supports two parallel transistor drives

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The multi-channel parallel output expansion interface is used for control during parallel output, allowing the main control board to simultaneously drive multiple drive modules.

The four sets of drive signals of SK603 are connected to the driver of the type shown in the figure below via ribbon cables.





<b>Shipped model distinction</b>	
SK603A	Standard version
SK603B	Fiber Optic Version
SK603C	Special Requirements Version