



Half bridge IPM (SCS-iPMHX-1250)

SCS Power

www.scspower.in

Description:

Our SCS-iPMHX-1250 is an intelligent power module (two channels) that integrates our advanced gate drivers with power devices. These modules are available for both Si and SiC based power devices. It is a complete power module consists of gate drivers, power devices, snubbers, and cooling arrangements.

For SiC MOSFET based iPM, refer our SiC MOSFET gate driver specification and for Si IGBT/MOSFET based iPM, refer our IGBT/MOSFET gate driver specification.

Specifications:

Available for IGBT, MOSFET and SiC MOSFET based power switches.
Max switch voltages 1200 Volts.
Max switch current 70 Amp.
Max switching frequency 80 kHz.
Inbuilt snubbers.
Inbuilt heatsink.
Includes all the features of our gate drivers (SCS-GDHX-8004).
Multiple stack formation possible.
Compact and high performance.

Application:

Our high performance intelligent power modules available for wide range of power handling capacities, suitable for several applications. Some of targeted applications are,

Motor and traction drives

EV charging

Multi level converters

Industrial power converters

Laboratory R&D purposes

Block diagram:

