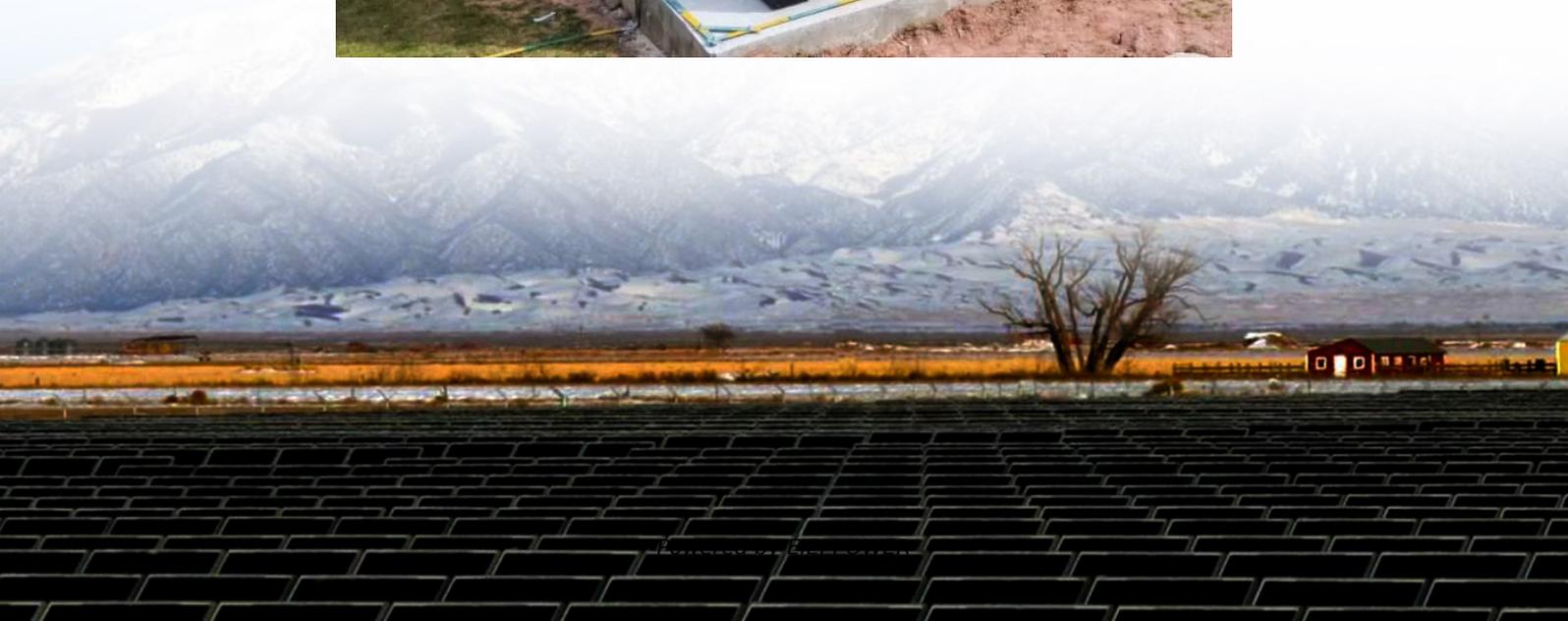


# High power IGBT sine wave inverter production





## Overview

---

What is a sine wave high-power IGBT Module Control Board?

Basic Info. Model NO. The sine wave high-power IGBT module control drive board is actually the DC to AC part of the rear stage of the inverter, which converts the high-voltage DC power of the front stage into an AC 220V output device. The dead time of the control board is 2us, which can be adapted to the use of IGBT modules of different sizes.

How do IGBTs affect inverter design?

The availability of IGBTs has a major influence on inverter design, the power of which ranges from 70 to 185 kW and has to support a typical lifetime of 100,000 km or 15 years. One such design uses half-bridge modules, with a focus on the placement and orientation within the inverter to provide more thermal management to increase the power density.

What is the THD of 6kva 3 phase IGBT pure sine wave inverter?

20. THD less than 3% We have attained wide prominence as major exporter and supplier of 6KVA 3 Phase IGBT Pure Sine Wave Inverters. Our offered inverters employ the cutting-edge digital signal processing technology and IGBT to provide most efficient power conversion besides attractive user-friendly features.

What is the difference between SiC vs IGBT inverter?

Hybrid switch configuration considered is 1:4 ratio (1 SiC + 3 IGBTs) Efficiency gain of full SiC Inverter and hybrid switch inverters vs IGBT inverter is from low load to medium load, generating advantages in power systems that operate most of the time below 40% load Hybrid switch inverter shows similar efficiency curve compared to SiC.



## High power IGBT sine wave inverter production

---



### [Pure Sine Wave Inverter manufacturer](#)

SUG starts to produce pure sine wave inverter since 2013 and we have our own factory. We use original imported IGBT, we are a professional pure positive wave inverter manufacturer

### [Production of Sine Wave Control Board : 5 Steps](#)

Besides, why should I write a carrier frequency of 16KHz, because the carrier frequency of 16KHz can adapt to the common high-power IGBT of the module type, only the module IGBT can ...



### [High power IGBT sine wave inverter production](#)

Nov 19, 2025 · The sine wave high-power IGBT module control drive board is actually the DC to AC part of the rear stage of the inverter, which converts the high-voltage DC power of the front ...



### [HV-IGBT Module for High-Performance Inverter Design](#)

Aug 15, 2025 · HV-IGBT Module for High-Performance Inverter Design Learn about Mitsubishi's XB-Series HV-IGBT modules. They offer lower switching losses and enhanced



reliability ...

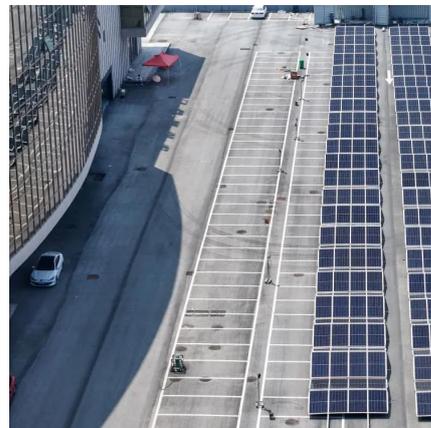


### [HV-IGBT Module for High-Performance ...](#)

Aug 15, 2025 · HV-IGBT Module for High-Performance Inverter Design Learn about Mitsubishi's XB-Series HV-IGBT modules. They offer lower ...

### [High Power IGBT Module Control Driver ...](#)

Aug 22, 2025 · The sine wave high-power IGBT module control drive board is actually the DC to AC part of the rear stage of the inverter, which converts ...



### [High-Performance Inverters Powered by Latest IGBT Modules](#)

Aug 8, 2024 · Read a new blog and uncover how our FS7 IGBT based QDual 3 module technology responds to the higher market demands of efficient and reliable power conversion ...



## Pure Sine Wave Inverter manufacturer

SUG starts to produce pure sine wave inverter since 2013 and we have our own factory. We use original imported IGBT, we are ...



## Production of Sine Wave Control Board : 5 Steps

Besides, why should I write a carrier frequency of 16KHz, because the carrier frequency of 16KHz can adapt to the common high-power IGBT of the module type, only the module IGBT can ...

## high-power inverter based hybrid switch SiC+IGBT ...

Mar 19, 2024 · Hybrid switch configuration considered is 1:4 ratio (1 SiC + 3 IGBTs)  
Efficiency gain of full SiC Inverter and hybrid switch inverters vs IGBT inverter is from low load to medium ...



## Design of Pure sine wave inverter

May 8, 2024 · The project begins with an overview of theoretical principles behind pure sine wave generation and the importance of achieving high-quality output waveforms for sensitive ...



## [IGBT Modules Deliver Efficiency in Inverter Applications](#)

Aug 21, 2024 · Higher Power QDual3 Technology Application specific QDual 3 Half-Bridge IGBT modules (NXH800H120L7QDSG for Central Solar Inverters, ESS, UPS and ...



## **High Power IGBT Module Control Driver Board 2000A, Inverter...**

Aug 22, 2025 · The sine wave high-power IGBT module control drive board is actually the DC to AC part of the rear stage of the inverter, which converts the high-voltage DC power of the front ...

## [Three Phase High Power IGBT Pure Sine Wave ...](#)

20KVA 3 Phase High Power IGBT Pure Sine Wave Inverters PRO IGBT Inverters employ cutting edge Digital signal processing technology ...



## [Three Phase High Power IGBT Pure Sine Wave Inverters](#)

20KVA 3 Phase High Power IGBT Pure Sine Wave Inverters PRO IGBT Inverters employ cutting edge Digital signal processing technology (DSPT) and IGBT'S to provide most efficient power ...



## Contact Us

---

For technical specifications, project proposals, or partnership inquiries, please visit:  
<https://www.eiei.pl>

### Scan QR Code for More Information



<https://www.eiei.pl>