

Xiner

Semiconductor
Distribution

IGBT MODULE



PRODUCT CATALOGUE

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Nuvonix
By Rebound

Xiner

ABOUT US

INTRODUCTION

Shenzhen Xiner Semiconductor Technology Co., Ltd. (Xiner) Founded in 2013, we are jointly invested by Shenzhen Zhengxuan Technology, Shenzhen State-owned Assets Supervision and Administration Commission, Shenzhen Talent Innovation Fund, Dachen Venture Capital, Fangguang Capital, Xiamen Falcon and other well-known institutions. Committed to the development, application, and sales of IGBT chips, IGBT driver chips and high-power intelligent power modules, Xiner has an experienced and pragmatic team.

The main personnel have accumulated more than ten years of industry know-how and are the first in China to successfully mass produce IGBT products based on FST technology. Xiner has R&D centers in Shanghai and Shenzhen, and has established sales offices in Shenzhen, Shanghai, Qingdao, Shunde and Hangzhou to respond quickly to customer needs.



QUALITY ACCREDITATIONS AND APPROVALS

XinerSemi has achieved ISO9001 Quality Control System Certificate and ISO14001 Environmental Management System Certificate. It also meets RoHS and REACH requirements.

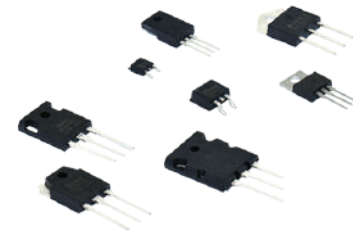




PRODUCT PORTFOLIOS

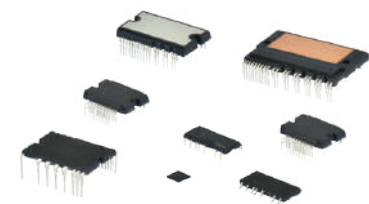
IGBT Discrete

- Low saturation conduction voltage drops
- Low switching loss
- High short circuit current tolerance
- High parameter consistency
- High input impedance
- Positive temperature coefficient, suitable for parallel use



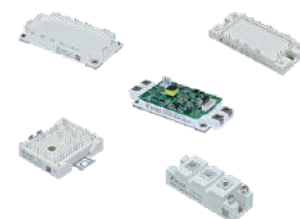
IPM

- Various packaging forms and good compatibility
- Wide range of product specifications
- Built-in motor-specific FRDMOS or TFSIGBT
- HVIC with built-in SOI process, high stability
- Short circuit tolerance > 10us@400V/15V/150°C
- Low temperature rises and electromagnetic interference design
- High reliability and perfect protection



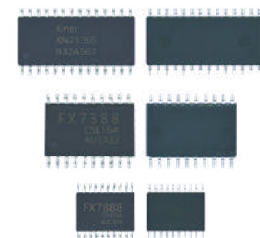
IGBT Module

- Low saturation conduction voltage drop ($V_{ce(sat)}$)
- Low switching loss (Ets)
- High breakdown voltage (BVces)
- High short circuit current tolerance (Icsc)
- Electrical parameter repeatability and consistency
- High reliability



Driver IC

- High breakdown voltage, 800V
- Integrated BSD
- High negative pressure withstands, -100V/50ns
- Low level switching loss
- High dv/dt, 50V/ns
- Input compatible 3.3V/5V/15V
- High driving capacity up to 3A
- VCC/VBS power clamp



APPLICATION AREA



CUSTOMERS

