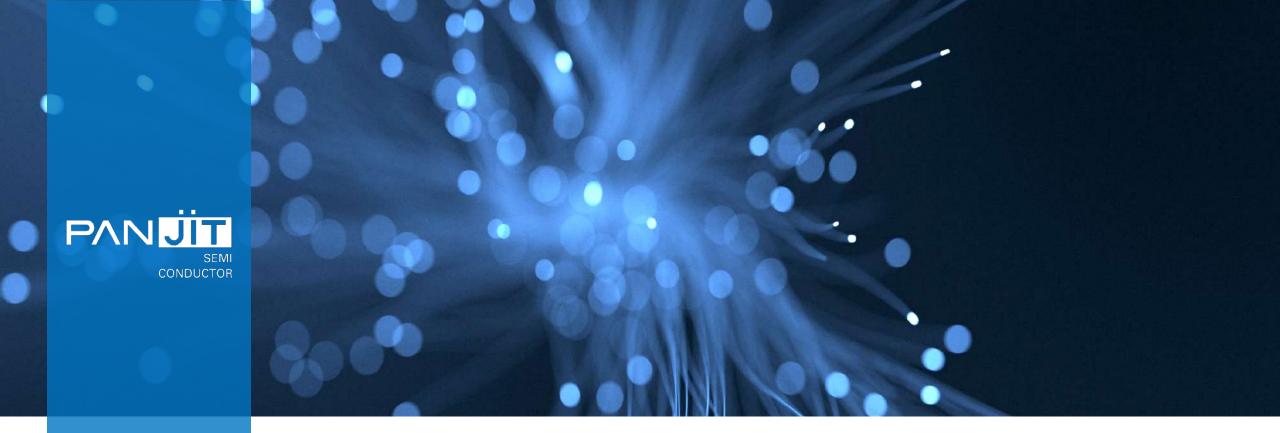


PANJIT International Inc



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Feb. 2020

- About PANJIT
- Application and Market Trend
- New Technologies Focus



About PANJIT

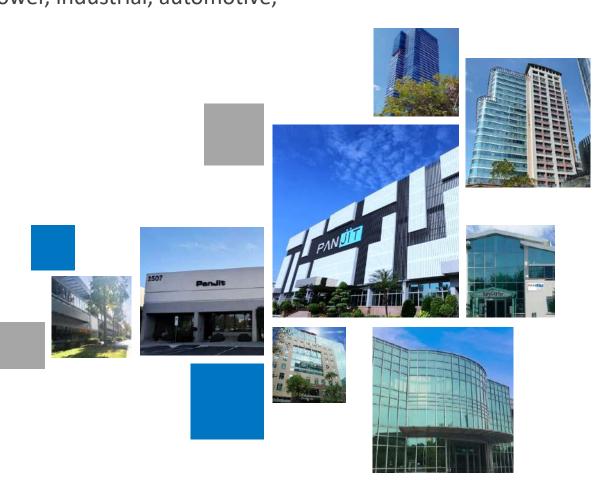
PANJIT Overview

PAN JIT SEMI CONDUCTOR

PANJIT International Inc. is a leading global manufacturer dedicating in supplying high quality semiconductors, serving the consumer, green power, industrial, automotive,

communication and computing segments.

- Capital: \$111 Million USD
- TWSE: 2481 (2001 IPO)
- Approximately 2,500 employees worldwide
- 2 front-end fabrication sites
- 2 back-end manufacturing sites



PANJIT Group

PAN JIT SEMI CONDUCTOR



PANJIT International Inc. Est. 1986.05 Product: Discrete Packaging & Testing



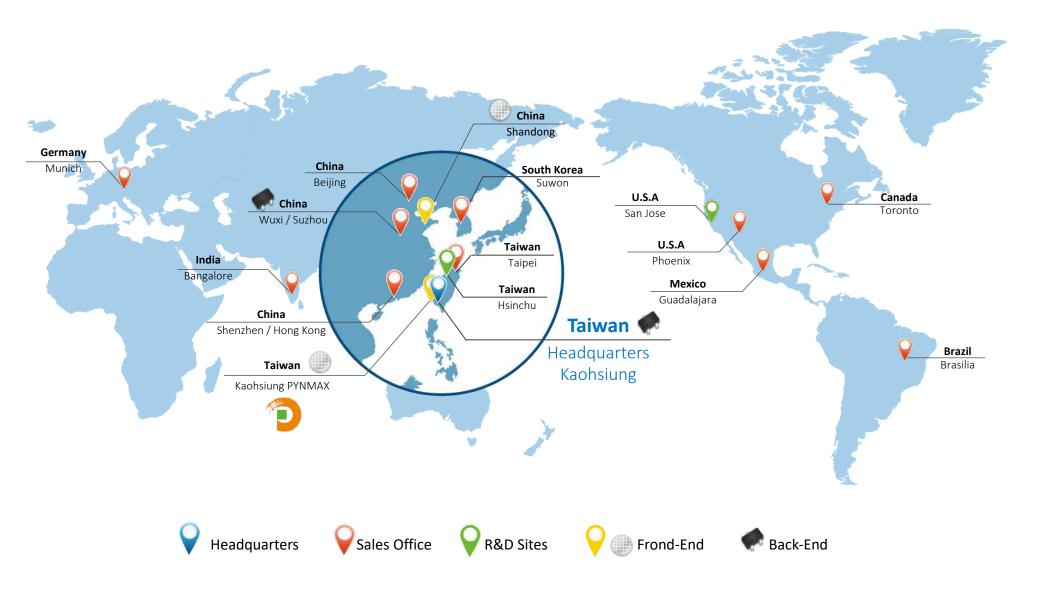
PYNMAX Technology Inc. Est. 2000.03 Product: Wafer Foundry



Sumnergy Co., Ltd. Est. 2017.06 Product: BMS, Battery Pack Application: EV, 3C

PANJIT Global Foot Print

PAN JIT SEMI CONDUCTOR



Wafer Capability





璟茂科技

- 4"/5"/6" EPI Wafer: 70,000 pcs/month
- 5"/6" Schottky Wafer: 50,000 pcs/month
- 6" ESD/TVS Wafer: 3,000 pcs/month
- 6" ZENER Wafer: 3,000 pcs/month
- 8" wafer: In construction



Assembly Capability





Kangshan, Taiwan

Package: Small Signal Devices/SMD Bridge

Capacity:

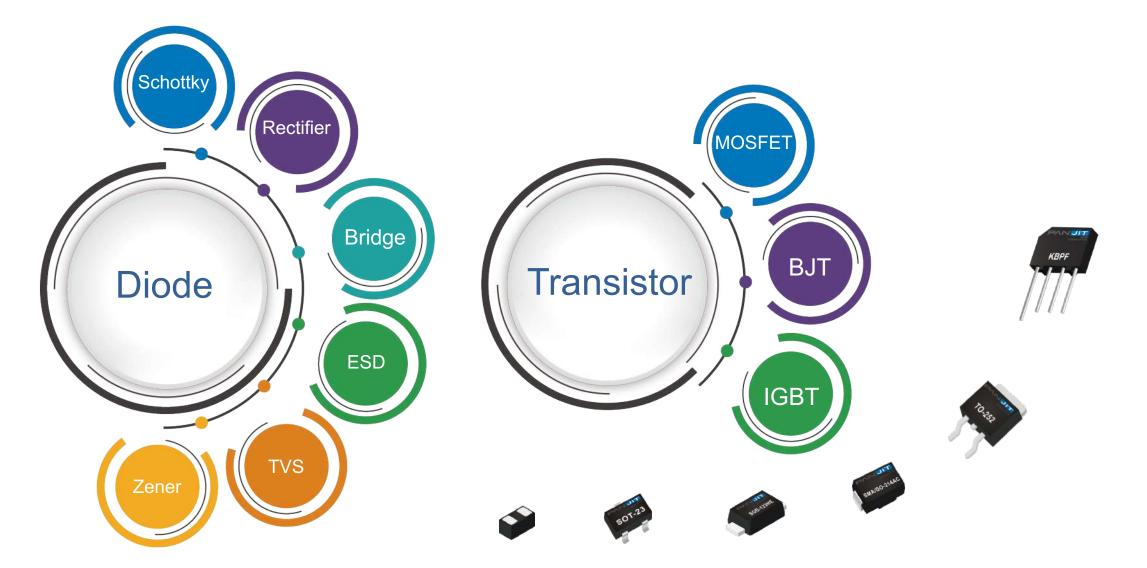
1,700 KK /month





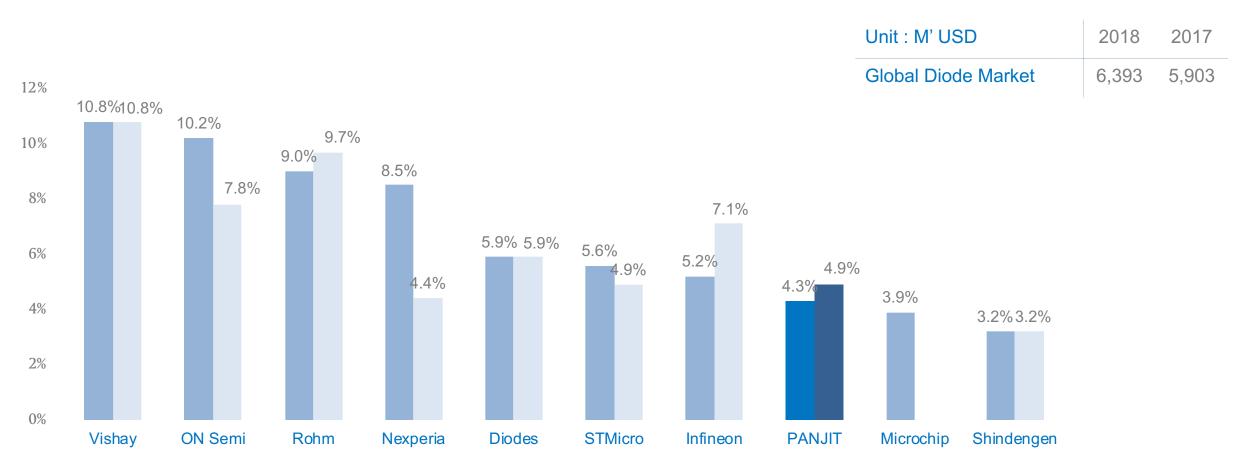
PANJIT Product Function





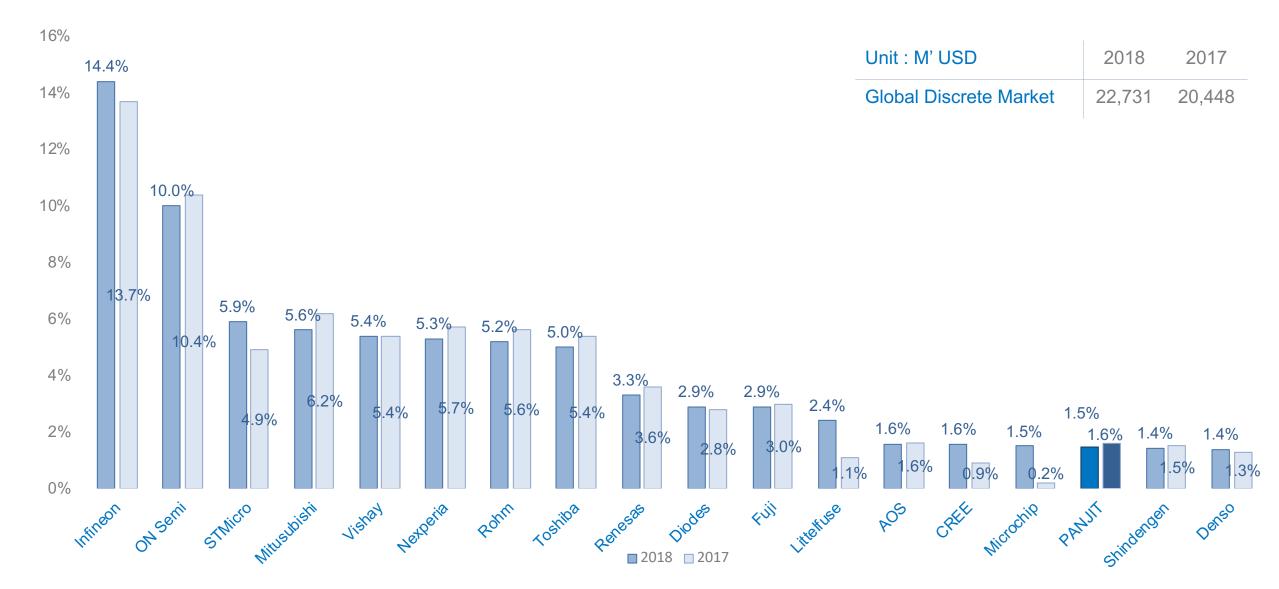
Global Diode Ranking & Market Share





2018 2017

Global Discrete Ranking & Market Share





Application and market Trend

Application Segment



Automotive



- Body
- xEV
- ADAS
- Infotainment
- Motor

Industrial



- Solar Junction Box
- LED Lighting
- Robotic
- Medical Equipment
- Motor



- Quick charger
- Battery module
- UPS

Consumer



- UHD TV
- Set Top Boxes
- Camera
- Home Appliance

Communication



• Networking

- PoE
- VOIP
- Infrastructure

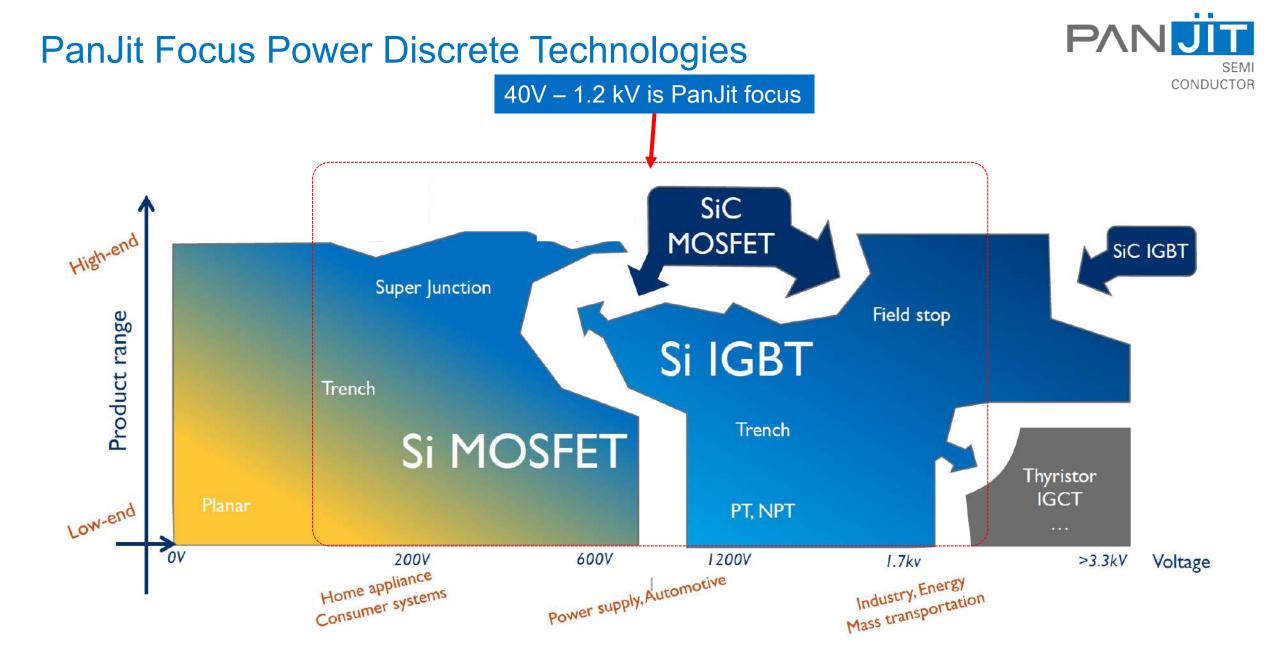




- Desktop PC
- Notebook PC
- Tablet
- Graphic Cards



New Technologies focus





MOSFET

MV/HV MOSFET application



Power rating [W] 10W 150W 1KW 5KW Telecom power • 600V/650V SJ MOSFET • 40V~200V MV MOSFET LED Lighting Server power 600V~800V SJ MOSFET 100V~250V MV MOSFET • 600V/650V SJ MOSFET • 40V~80V MV MOSFET Display 600V~800V SJ MOSFET • 40V~60V MV MOSFET Adaptor & Charger **Computing Power EV Charging station** 600V~800V SJ MOSFET • 40V~120V MV MOSFET 600V~800V SJ MOSFET 600V/650V SJ MOSFET (Fast/FR) 40V~80V MV MOSFET Motor Drive. 60-150V MV MOSFET

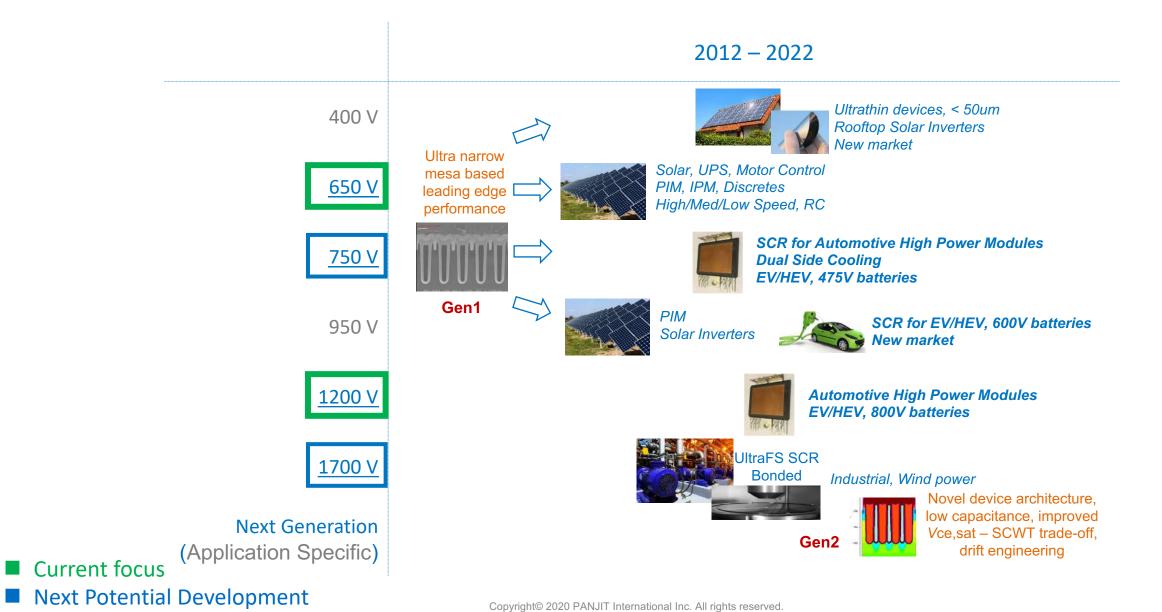
- Telecom power (TO220/F, TO247, D2PAK7L, PQFN56/88, TOLL)
- Server power (TO220/F, TO247, *PQFN56/88, TOLL*)
- EV Charging station (TO247, *TOLL*)
- Battery Powered Motor Drive (TO-220, D2-PAK, D2-PAK 7L, PQFN56/88, TOLL)



IGBT/FRD

IGBT Target Technology to Applications





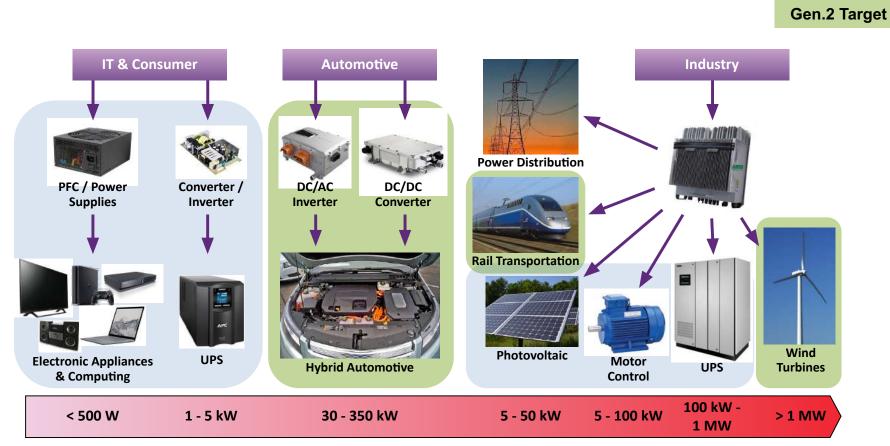


SiC

SiC Diode Market - Application Specific



Gen.1 Target



Source: TechSearch International, Inc. adapted from Global Power Technology





Thank You