

N2、 N3、 P3S、 P4M IGBT Modules for PV Application

Product Introduction

- 1、 N2, N3, P3S and P4M packages;
- 2、 Boost $V_{CES} = 1200V$, I_C range: 225A~230A; Combined with SiC SBD, high efficiency conversion capability;
- 3、 1200V power module can be used for the main inverter (60kW~80kW), I_C range:160A~200A;
- 4、 650V power module can be used for main inverter (110kW), I_C range: 400A~450A;
- 5、 Mainly used in high frequency applications of photovoltaic inverters;
- 6、 Other market mainstream products can be completely pin to pin replaced by our high frequency IGBT modules;
- 7、 Use environmentally friendly materials and meet RoHS standards;

Product Features

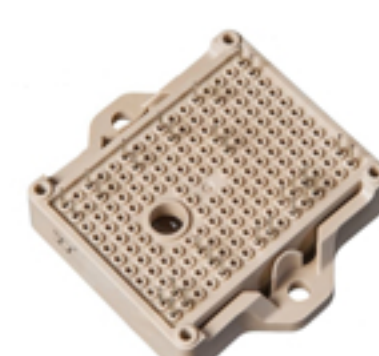
- 1、 $T_{jmax} = 175^{\circ}C$;
- 2、 Low $V_{ce(sat)}$ and switching losses, suitable for PV inverter and Boost applications;
- 3、 With flyback diode with ultra-fast and soft recovery characteristics;
- 4、 P2S package module adopts DBC as isolating and heat dissipation substrate;
- 5、 N2&N3 package module adopts copper baseplate and P4M adopts copper IMS(Insulated Metal Substrate),all of which can achieve high performance and low $R_{\theta JC}$;



N2



N3



P3S



P4M

Electrical Parameters

Part No.	Specification	Package	V_{CES}	Topology
MG225ZD12TFP3S	225A/1200V	P3S	1200V	Boost
MG230ZD12TFP3S	230A/1200V	P3S	1200V	Boost
MG150ZD12TFP3S_110	150A/1200V	P3S	1200V	Boost
MG150ZD12TFP3S_101	150A/1200V	P3S	1200V	Boost
MG200TT12MSP3S	200A/1200V	P3S	1200V	T-type Three Levle Topology
MG400TL065MSP4M	400A/650V	P4M	650V	I-type Three Levle Topology
MG160TT12MSN2	160A/1200V	N2	650V	T-type Three Levle Topology
MG160TT12MSN3	160A/1200V	N3	650V	T-type Three Levle Topology
MG450TL065MSN3	450A/650V	N3	650V	I-type Three Levle Topology

Please Refer To The Official Website For More Details

Application



PV Inverter