NXH200T120H3Q2F2STNG

Si/SiC Hybrid Module, Split T-Type NPC inverter

Product Overview

For complete documentation, see the data sheet.

The NXH200T120H3Q2 is a power integrated module (PIM) containing a split T-type neutral point clamped three-level inverter, consisting of two 200A/1200V half-bridge IGBTs with inverse diodes, two neutral point 100A/650V SiC diodes, two 150A/650V neutral point IGBTs with inverse diodes, two half-bridge 150A/1200V rectifiers and a negative temperature coefficient thermistor (NTC).

Features

- Low VCE(SAT) fast switching IGBTs combined with SiC diodes in neutral point
- Low thermal resistance baseplate
- Solar pins
- Thermal Interface Material and Ni-plated DBC

Benefits

- Highest levels of power density and efficiency
- High robustness under short term high power conditions
- Mounting without press-fit tooling

Applications

- DC-AC Stage

End Products

- Solar Inverter
- UPS
- Energy Storage Systems

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Configuration	V_{BR} Max (V)	Rated Current (A)	$V_{CE(sat)}$ Typ (V)	V_F Typ (V)	Package Type
NXH200T120H3Q2F2STNG	94.452	Pb H	Active	Split T-Type	1200	200	1.86	1.5	Q2