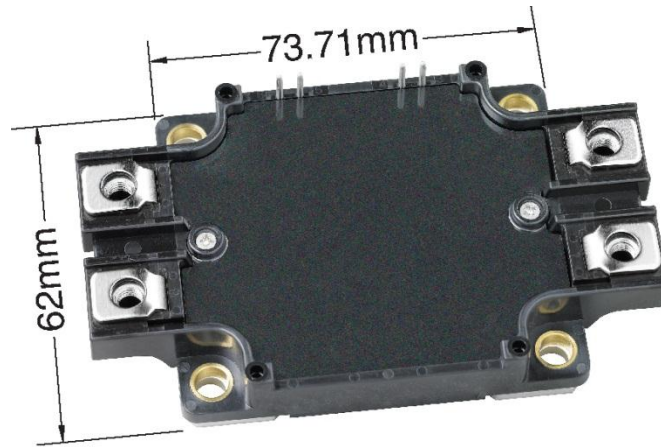


6th Generation NX-SERIES Choppers



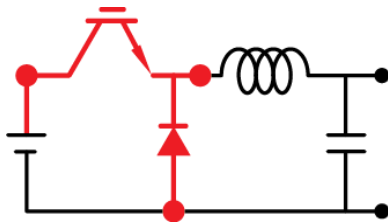
DESCRIPTION

The 6th Generation NX-Series Choppers are packaged in the new NX-S package. They are low loss modules that use 6th Generation Carrier Stored Trench-Gate Bipolar Transistor (CSTBT) silicon for superior performance. The chopper diode is externally connected so the modules can be operated in either a buck or boost configuration.

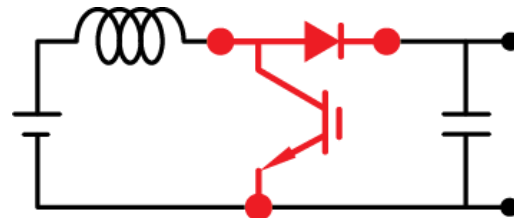
APPLICATIONS

- Buck and Boost Converters
- DC Motor Control
- Solar Inverters

Buck Converter



Boost Converter



6th GENERATION SILICON FEATURES

- $T_{jmax} = 175\text{ }^{\circ}\text{C}$ for higher operating temperature
- ~20% reduction in overall losses from 5th Generation CSTBT for high efficiency

Product Lineup

Part Number	Package Size	Vces(Volts)	Ic (Amperes)
CM150EXS-24S	62mm x 74mm	1200	150
CM200EXS-24S	62mm x 74mm	1200	200
CM300EXS-24S	62mm x 74mm	1200	300
CM200EXS-34SA	62mm x 74mm	1700	200