COMEREX Product Bulletin Diamond Power Products 6th Generation NX-SERIES Choppers 73.71mm 32mm

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





6th GENERATION SILICON FEATURES

- T_{jmax} = 175 °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 |