

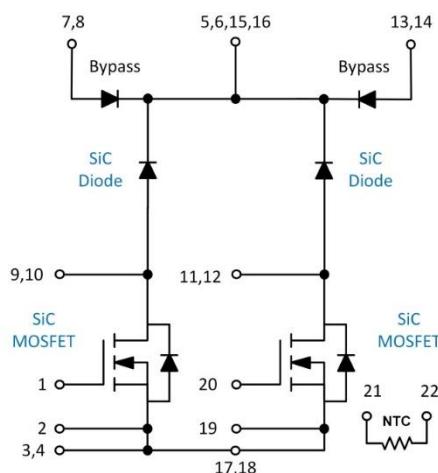
SiC Boost Solutions for Solar Inverters

Innovation

Solution uses 1200V SiC MOSFETs, 1200V SiC Diodes and 1600V Bypass Diodes in same footprint as standard full SiC or SiC Hybrid Boost

Value Advantage

- ✓ Faster switching
- ✓ Lower module losses
- ✓ Lower cost inductor/capacitor
- ✓ Higher power possible from the same inverter size and weight



Current Proposition

- ✓ NXH40B120MNQ0SNG: 2 channel 40mΩ/1200V SiC MOSFET, 40A SiC Diode
- ✓ NXH80B120MNQ0SNG: 2 channel 80mΩ/1200V SiC MOSFET, 20A SiC Diode
- ✓ NXH40B120MNQ1SNG: 3 channel 40mΩ/1200V SiC MOSFET, 40A SiC Diode