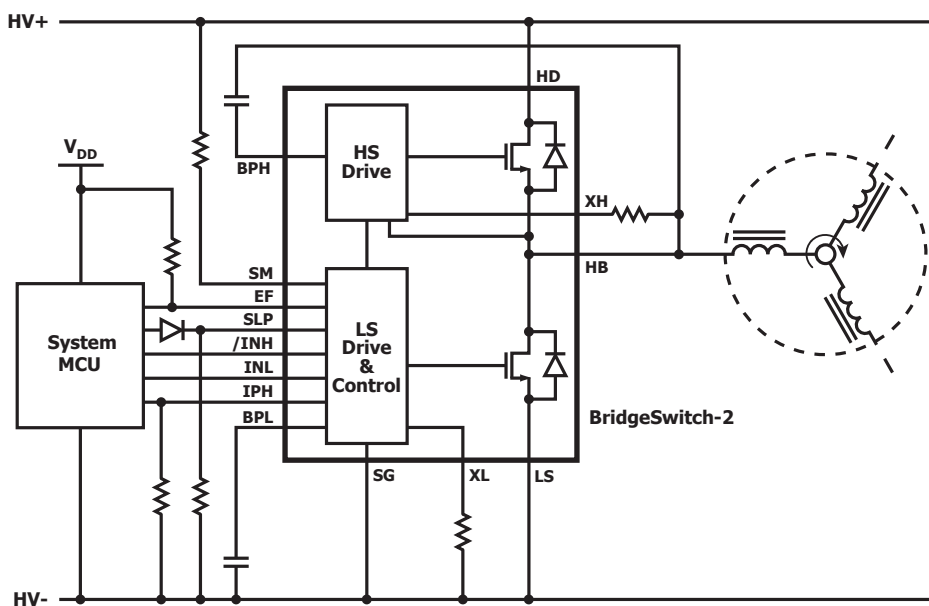


BridgeSwitch™ -2

- Fully integrated half-bridge motor driver
- Up to 99.2% efficient — no heatsinks
- Three-phase inverter has <10 mW sleep-mode power consumption
- Selectable hysteretic or latching over temperature with simple Error Flag (EF) reporting
- Integrated lossless phase current measurement and reporting
- Fully compatible with MotorXpert™ Suite design software

High-Voltage, Self-Powered, Half-Bridge Motor Driver with Integrated Device Protection and System Monitoring



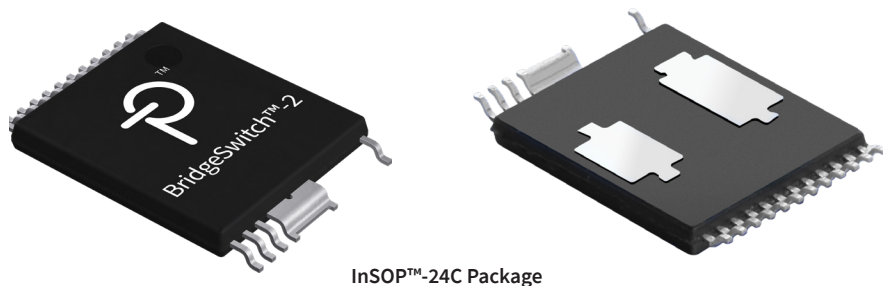
PI-9532-052824

Applications

- Single and multi-phase high-voltage PM and BLDC motor drives in:
 - HVAC fans
 - Refrigerator compressor
 - Fluid pumps
 - Gas boiler combustion fans
 - Washing machine drums and pumps
 - Ceiling fans
 - Industrial pumps and motors

Product Family

Part Number	FREDFET DC Output Current	Continuous Phase RMS Current
BRD2x60C	1.0 A	0.22 A
BRD2x61C	1.7 A	0.55 A
BRD2x63C	3.0 A	0.75 A
BRD2x65C	5.5 A	1.00 A
BRD2x67C	11.5 A	1.33 A



Design Support

- Data Sheet** BridgeSwitch-2 data sheet (www.power.com/bridgeswitch-2-data-sheet)
- Design Example** 150 W three-phase, shuntless FOC design with Integrated Phase Current (IPH) (RDR-974) (www.power.com/rdr-974)
- Design Tool** MotorXpert™ Suite software (www.power.com/motorxpert-suite)