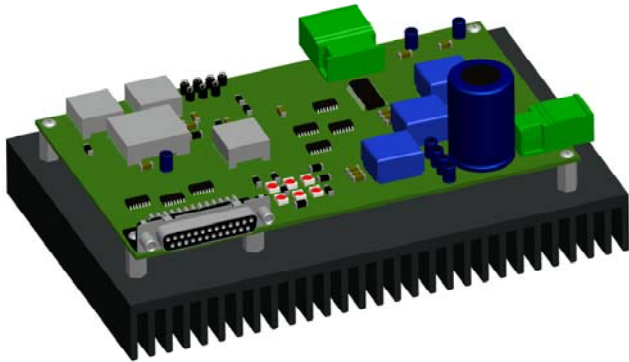


HEVT's 1500w Universal Inverter

Simply Power Electronics



Part # INV1500W3PH-A1

Description

HEVT's 1500 watt universal inverter is a robust dc/ac three phase inverter using power MOSFETs. The inverter can handle 20 Amps continuous at up to 75 volts. Gating circuitry accepts CMOS logic that is electrically isolated from the high power devices. Fault feedback provides protection from over current, over heating, and gating under voltage. Analog feedback signals include inverter leg currents and dc link voltage. All feedback signals are scaled 0-5V making the interface between a micro-controller or FPGA simple.

Ordering Information

Description	QTY	Unit Price
Universal Inverter	1-9	\$800 USD ea.
	10+	\$712 USD ea.
Interface kit	1-9	\$75 USD ea.
	10+	\$66 USD ea.

Lead time: 6-8 weeks

To order: call +1-312-235-3602 or send request to contact@hevt.com

Features

- 75VDC 20A three-phase dc/ac inverter
- Efficient fast-switching power MOSFETs
- Under-voltage, over-current, and over-temperature feedback
- Encoder / hall-effect position feedback
- Continuous gate drive capability
- Isolated control and feedback signals
- CMOS control inputs/outputs ideal for micro-controller or FPGA control
- DC bus voltage and current feedback
- Operating temperature from -10 – 45°C
- Status and fault monitoring via LED's
- Software/hardware reset to clear FAULT
- Standby power save mode

Applications

- Motor drivers
 - Single phase induction machine
 - Three phase induction machine
 - PM synchronous machine
 - Brushed dc machine
 - Brush-less dc machine (BLDC)
- Switching power supplies
 - Boost converter
 - Buck converter
 - Full bridge inverter

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All specifications and prices are subject to change without notice.