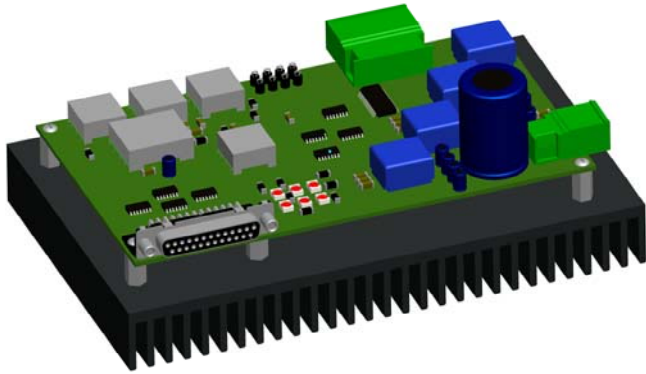


# HEVT's 1500w SRM Driver

## Simply Power Electronics



Part # SRM1500WxPH-A1

### Description

HEVT's 1500 watt switch reluctance machine (SRM) driver is a standard multi-phase SRM converter. The use of power MOSFETs and ultra fast recovery diodes allow for efficient fast-switching. The driver is rated for 20 Amps of continuous current at up to 75 volts. Gating circuitry accepts CMOS logic that is electrically isolated from the high power devices. The board interface provides feedback from over current, over heating, and gating under voltage. Analog feedback signals include phase currents and dc link voltage. All feedback signals are scaled 0-5V making the interface between a micro-controller or FPGA simple. The SRM driver is a ready-to-use converter which allows for rapid development of advance SRM controllers.

### Features

- 75VDC 20A SRM driver
- Multi-phase topology
- Efficient fast-switching power MOSFETs
- Under-voltage, over-current, and over-temperature feedback
- Encoder 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 sensing
- Feedback of all phase currents
- Operating temperature from -10 – 45°C
- Status and fault monitoring via LED's
- Adjustable FAULT limits via Pot's
- Software/hardware reset to clear FAULT
- Standby power save mode

### Ordering Information

Description	QTY	Unit Price
SRM Inverter (3-Phase)	1-9	\$850 USD ea.
	10+	\$755 USD ea.
SRM Inverter (4-Phase)	1-9	\$975 USD ea.
	10+	\$866 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](mailto:contact@hevt.com)