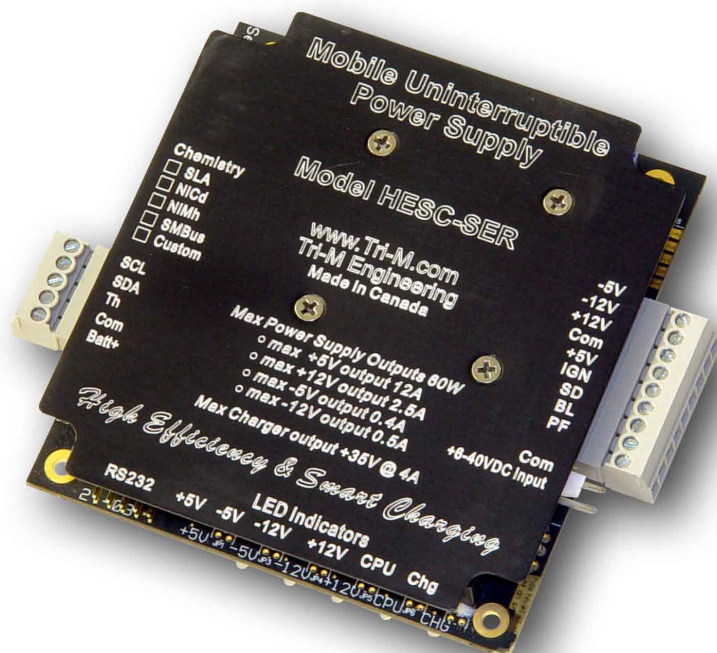


HESC-SER

UPS High Efficiency Serial Port Power Supply w/ Smart Charging



features

- 60 Watt output; 6 to 40 VDC input range
- UPS operation with battery pack
- Multistage charging SLA, NiCd, NiMh
- SMBus Level 3 compatible charger
- Charging voltage: 10V - 35V
- Ignition switch & push button input
- Rs232 serial port instead of PC/104 headers

specifications

Electrical Specifications

- +5V output* 12.0A
- +12V output 2.5A
- -5 output 0.4A
- -12V output 0.5A

Input Voltage 6 to 40VDC

Charger Rating

- Charge Current 0A to 4.0 A
- Charging Voltage 10V to 35V

Mechanical/Environmental

- Size (W x L x H)**** 3.55" x 3.75" x 0.55"
- Weight 7.30oz / 206.95g
- Temperature Range -40 to +85°C

Performance Characteristics

- Peak to Peak ripple* <20mV
- Load Regulation** <60mV
- Line Regulation** 40mV
- Output Temp. Drift** <40mV
- Output Ripple** 20mV
- Quiescent Current*** 2mA
- Soft Start: 5V start up risetime = 10 msec
- Efficiency up to 95%

* Current rating includes current supplied to 12V and -12V regulators

** Measured on the 5V output

*** LEDs disabled and power supply is in shutdown mode

**** Not including pass through pins

Ordering Information



TRI-M
ENGINEERING

Part Number

HESC-SER

Options

TS-12C

Description

5V, 12V, -5V and -12V outputs, 4 amp charger, serial port

Additional digital temperature sensor