

# HESC104

UPS PC/104 Power Supply w/ Smart Charging



## features

- 60 Watt output
- 6V to 40V DC input range
- Charging voltage: 9.5 - 19.5V
- UPS operation with battery pack
- Multistage charging SLA, NiCd, NiMH
- SMBus Level 3 compatible charger
- Extended temperature: -40°C to +85°C

## specifications

### Electrical Specifications

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

### Input Voltage 6 to 40VDC

### Charger Rating

- Charge Current 0A to 4.0 A
- Charging Voltage 9.5V to 19.5V

### Mechanical/Environmental

- Size (W x L x H)\*\*\*\* 3.55" x 3.75" x 0.55"
- Weight 6.56oz / 185.92g
- 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



this product is  
manufactured by:

**TRI-M**  
ENGINEERING

### Part Number

HESC104

### Description

5V, 12V, -5V and -12V outputs, 4 amp charger, PC/104 compliant

### Part Number

TS-12C

### Description

Additional digital temperature sensor