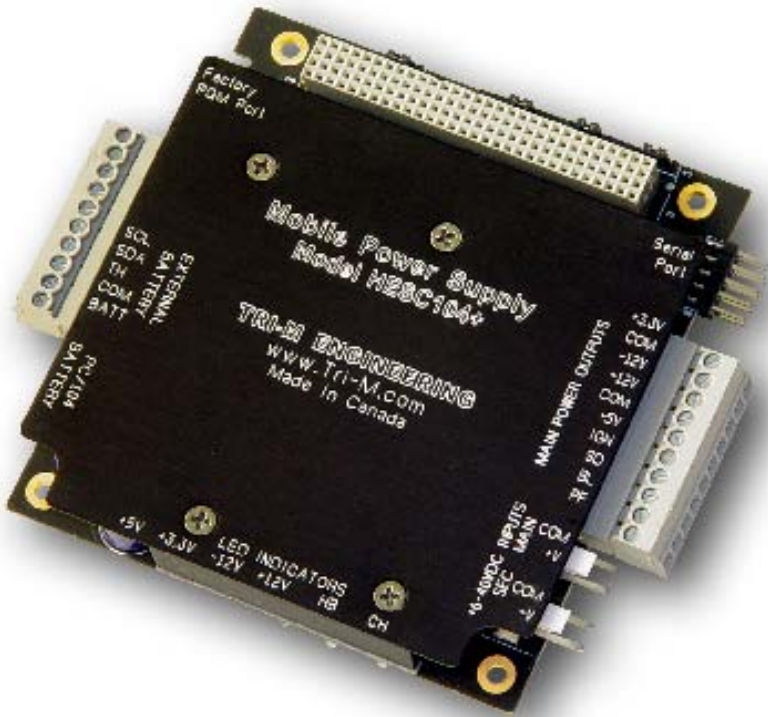


# HESC104+

108W PC/104+ Power Supply w/ Smart Charging



## features

- +3.3V, +5V, +12V, -12V DC output
- 6V to 40V DC input range
- PC/104+ bus
- Extended temperature: -40°C to +85°C
- High power smart charging: Multistage charging SLA, NiCd, NiMh, SMBus Level 3 compatible charger

## specifications

### Electrical Specifications

- +5V output\* 15.0A
- +3.3V output 10.0A
- +12V output 2.5A
- -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

108W, +3.3V, +5V, +12V and -12V outputs, 4 amp charger, PC/104 size with PCI-104 bus