

PC/104+ Power Supply w/ Smart Charging



- +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

Electrical Specifications

- +5V output* 12.0A
- +3.3V output 8.0A
- +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%

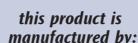
- * Current rating includes current supplied to 12V and -12V regulators

- ** Measured on the 5V output

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

- **** Not including pass through pins

Ordering Information



TRI-M
ENGINEERING

Part Number

HESC104+

Description

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

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