UltraUPS Series

Uninterruptable Power Solution

POWER OS TRI-M TECHNOLOGIES INC.

Backup Power

The ultraUPS is a series of backup power solutions for rugged and hostile environments where downtime for servicing and power outages are unacceptable. The ultraUPS units can be powered direct from solar panels permitting remote and isolated locations where solar power is the only power source.

The Li-Ion ultraUPS units provide uninterruptable power between -40°C to 70°C and have backup energy of 2.2 megajoules (617 watt-hours). That's enough energy to keep Tri-M's VDX104 running for over two weeks!

The ultra capacitor units have an operating temperature range of -40°C to 85°C with backup energy up to 15 kilojoules (4.2 watt-hours).

The 6 amp output of the ultraUPS units can be field adjusted between 5V and 16V.

The main input of the ultraUPS protects against vehicle "load dumps" and transients and is designed to MIL-STD-1275 requirements.

Features

- The rugged aluminum enclosure is equipped with an anti-shock pad.

- RS232 communication port for monitoring and control.

- Power good signal, remote on/off control line and a 5V standby power.

- Supports 15V and 30V solar panels for main power supply.

- Programmable 6 amp output voltage between 5V to 16V.

- Operating Temperature Range -40°C to 85°C (ultra capacitor models) -40°C to 70°C (Li-Ion model)

- Three LEDs provide status of input power, backup energy and the output.

- Load dump and transient protected.

Related Products

- VDX104-1E:
  The VDX104 is a sub two watt PC/104 x86 computer for rugged and hostile applications.

- TCB1522:
  Incorporates dual isolated CANbus controllers, two MultiTech universal sockets, four isolated RS-232 serial ports, and one isolated RS-485 serial port.

Ordering Information

Models

UPS-52M2[-x]-PBF;
UPS of 2.2 megajoules (617 watt-hours) Li-Ion backup.

capUPS-415K[-x]-PBF;
UPS of 15 kilojoules (4.2 watt-hours) ultra capacitor backup.

capUPS-47K5[-x]-PBF;
UPS of 7.5 kilojoules (2.1 watt-hours) ultra capacitor backup.

Where [-x] is the factory set output voltage.

Ex: UPS-52M2-12-PBF; Output voltage factory set to 12V.

Options

UPS-52M2[-x]-VDX
Includes a VDX104-1E. An isolated RS-232 and Ethernet port provides remote access. The VDX104-1E is supplied with Linux ready for the customers application.

UPS-52M2[-x]-HECS
Includes the HECS datalogging stack of a VDX104-1E and TCB1522. Four isolated RS-232, one isolated RS485, dual CANbus and one Ethernet port are provided.