



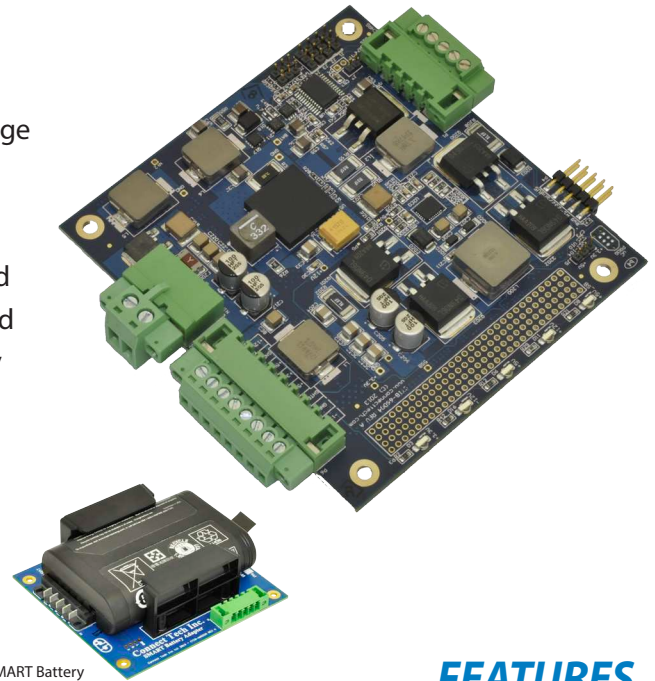
Xtreme/PSU-UPS

Connect Tech's Xtreme/PSU-UPS is a high efficiency, high powered PC/104 form factor power supply featuring a wide input voltage range that accepts +6V to +36V DC, and provides 154W of total output power with +5V, +12V, -12V, +3.3V and +5 standby output voltages.

Xtreme/PSU-UPS features SMART battery charging for uninterrupted power supply and battery backup functionality, along with extended temperature capabilities. Use this with Connect Tech's Smart Battery Adapter ADG061 (also pictured right)

Xtreme/PSU-UPS can be used in combination with Connect Tech's stackable CPU and expansion boards for a total design solution, and is ideal for use in a broad range of rugged military and industrial applications.

Product Name: Xtreme/PSU-UPS
Part Number: SCG001, SCG002



SMART Battery Adapter (ADG061)

FEATURES

- ✓ SMART battery charging for uninterrupted power supply
- ✓ 154W total output power, +5V, +12V, -12V, +3.3V, and +5V standby
- ✓ PCI-104 expansion
- ✓ Fully meets PC/104 component height requirements
- ✓ Uses latest generation highest efficiency power controllers, inductors, and MOSFETs
- ✓ Oversized MOSFETs for improved thermal performance (heat sinking not required)

Specifications	
Dimensions	PC/104 Standard 3.55" (90mm) x 3.775" (96mm)
Bus Expansion Options	
• SCG001:	PCI-104 (PCI)
• SCG002:	Embedded (No Bus Connectors)
Input	
• Power Requirements:	+6V to +36V DC
• Protection:	Reverse polarity protection and transient voltage suppression and series fuse
Output	
• Total Power	154W
• +3.3V	10A maximum continuous for full -40 to +85 range
• +5V	10A maximum continuous for full -40 to +85 range
• +12V	5A maximum continuous for full -40 to +85 range
• -12V	0.5A maximum continuous for full -40 to +85 range
• +5V Standby	1A maximum continuous for full -40 to +85 range
• Regulation	Less than 1%
• Protection	Overload protection and transient voltage suppression
• Efficiency	Up to 93%
Battery	Fully compatible with all SMART external batteries, supporting charging up to 16V, 4A
Monitor/Control	On-board USB, RS-232 and SMBus interfaces for battery monitoring and power on/off control
Operating Temperature	-40°C to +85°C (-40°F to 185°F)
Connectors	Output: 3.5mm pitch standard terminal block header and mating plug Input: 5mm pitch standard terminal block header and mating plug
Warranty and Support	Lifetime warranty and free technical support

RoHS

Specifications subject to change without notice.
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