

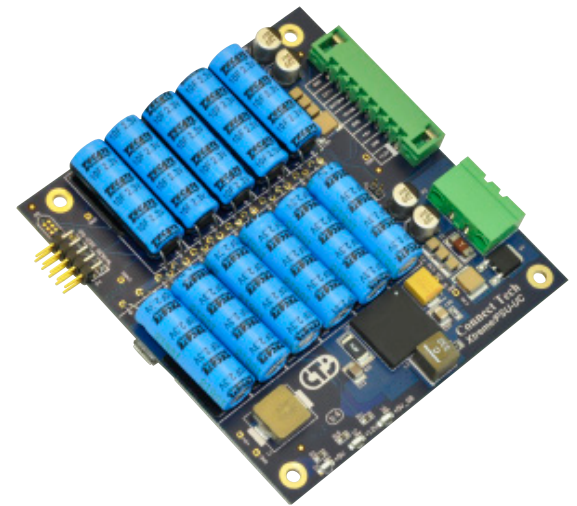


## Xtreme/PSU-UC

Connect Tech's Xtreme/PSU-UC is a high efficiency, high powered PC/104 form factor power supply featuring a wide input voltage range that accepts +8 to +36V DC, and provides 115W total output power with +5V, +12V and +5V Standby output voltages.

Xtreme/PSU-UC features on-board Ultracapacitors to provide uninterrupted UPS backup capability. Because it uses Ultracapacitors in the place of batteries the Xtreme/PSU-UC can provide instant short-term power backup in the event of a power loss or interruption, and be fully charged and ready to provide backup power again within seconds. The Xtreme/PSU-UC uses rugged components and can operate in the industrial temperature range of -40°C to +85°C / -40°F to +185°F.

Xtreme/PSU-UC 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-UC  
**Part Number:** PSG013

## FEATURES

- ✓ *Ultracapacitor backup for uninterrupted power supply*
- ✓ *115W total output power, +5V, +12V and +5V Standby*
- ✓ *Fully meets PC/104 component height requirements*
- ✓ *Uses latest generation highest efficiency power controllers, inductors, and MOSFETs*

### Specifications

<b>Dimensions</b>	PC/104 Standard 3.55" (90mm) x 3.775" (96mm)
<b>Input</b>	
• Power Requirements:	+8V to +36V DC
• Protection:	Reverse polarity protection, transient voltage suppression and series fuse
<b>Output</b>	
• Total Power	115W
• +5V	10A maximum continuous for full -40 to +85 range
• +12V	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
<b>Operating Temperature</b>	-40°C to +85°C (-40°F to 185°F)
<b>Connectors</b>	Output: 3.5mm pitch standard terminal block header and mating plug Input: 5mm pitch standard terminal block header and mating plug
<b>Ultra Capacitors</b>	11x 10F Ultracapacitors in series – 0.909 farads Energy Capacity - 262 joules Expansion capabilities for the addition of external Ultracapacitor modules
<b>Communication Interfaces</b>	RS-232 and USB interfaces to control delayed startup/shutdown, relay board temperature data
<b>Technical Support</b>	Free technical support

**RoHS**

Specifications subject to change without notice.  
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