

DATASHEET

PSU/UPS

Expeditionary Communications Power Supply Unit/Uninterruptible Power Supply

The **Power Supply Unit/Uninterruptible Power Supply (PSU/UPS)** is part of the Expeditionary Communications product family, providing regulated, filtered, and isolated 24 volts DC to up to 4 devices. The PSU/UPS contains an integral lithium ion battery (eight user servable 16340 lithium-ion batteries) as its primary back up battery power source in the event AC or DC main power is lost.



In the event greater battery runtime is required, the PSU/UPS has the unique ability to interface to an external rechargeable battery pack (temporarily discontinuing the use of its internal batteries) to provide more battery capacity as an alternative to its internal batteries. Military customers can use the tried-and-true 2590 or twist lock radio batteries via a cable, and commercial customers may choose to use alternative battery technologies.

The PSU/UPS is fully field programmable.

The PSU/UPS is fully field programmable, meaning users can change the output voltage to 12 or 24 VDC, and may also change the type of battery chemistry (Li-Ion, Li-Po, LIFEPO4, Lead Acid) being used and the rate in which the device charges. Despite its flexibility, the PSU/UPS is designed to work out of the box as a plug and play power supply and UPS solution.

- 1. Wide Range Dirty AC input, AC -85-264VAC, 50/60Hz**
- 2. Wide Range Dirty DC input, DC 9-32VDC**
- 3. Built in rechargeable Li-Ion, user field serviceable, 16340 batteries**
- 4. Supports optional external auxiliary batteries in the event greater runtime is needed**
- 5. (4) - 12 or 24 VDC outputs, up to 150 watts total output**
- 6. Small and pocket sized, 1.25" tall by 5" wide by 7.6" deep**

Our products are on the leading edge of what is possible in the deployable communications electronics market.

The PSU/UPS is part of the new Expeditionary Communications product portfolio, which has been designed by from the printed circuit board up to meet the demands of military, government, and other industries that require robust, high performance IP networking and IT functionality in the most austere of locations. For customers who need to communicate wherever and whenever, there has never been a product family as small, durable, flexible, and scalable as the EC products. EC products include the Software Definable Networking – Appliance™ (SDN-ATM) EC, XC-3300 Switch, the XC-6300 Router, and several additional EC products; to include: RoIP technologies, video encoders/transcoders, high performance compute in support of AI/ML applications, and a designed from scratch chassis system.

Our EC products are on the leading edge of what is possible in the deployable communications electronics market. They are smaller, lower power, higher performing, more rugged, easier to use, easier to transport, more flexible in how they can be packaged or kitted, and the most scalable deployable communications in the market today. Instead of settling for the rest of what the market offers, insist on the best of what exists for your tactical edge of network deployable secure communications and computing needs.

Expeditionary Communications devices offered are:

- Software Definable Networking – Appliances™
- Cisco Ethernet switches
- Juniper SD-WAN solutions
- Cisco IP Routers
- High performance compute (Xeon D and C3000)
- Cisco routers & VPN gateways
- Aruba Mobility controllers
- Haivision video transcoders
- Radio over IP appliances
- Cellular/wireless routers
- Low power/high CPU core NVIDIA based appliances for AI and machine learning applications
- More EC devices will be coming in 2023

