



USP – Universal Smart Power Supply

The Universal Smart Power Supply by U2 Boards is an intelligent power supply designed specifically for the U2 Family of products.

USP product features:

- A powerful 27VDC , 351 Watt power supply at 13 Amps
- SNMP compliant, Web enabled
- 2 STN character displays for communication status, diagnostics, configuration and testing
- Diagnostic LCD shows per port current draw and power supply voltage indication
- Ability for redundant power
- AC input range selectable by switch
- Protection against short circuits, current overload, over voltage, and current
- Onboard automated cooling via built-in fan with temperature monitor
- Current limiting self-resetting breakers
- 9 RJ45 ports for RS-485 outbound communication to UIC or UIO boards for use in daisy chaining
- EOL termination resistor is provided at each RS-485 port for multi-drop requirements
- Built-in Star coupler via 9 four wire terminal connections for outbound 24VDC power for UIP/UICs
- 1 input set of terminals for external lock power
- Current and voltage monitoring
- Temperature monitoring
- Ethernet network connections
- 2 rear terminals enable an external battery as required
- Connection to a UPS as required
- Patent Pending

