

# QuadraPower Integrated UPS & PoE switch

QuadraPower is an integrated UPS and Power over Ethernet (PoE) switch to deliver continuous operations in remote locations. Both solar and wind ready, it requires less wiring and separate power equipment than traditional surveillance systems or wireless networks. QuadraPower integrates with the QuadraFlex range of wireless equipment and can be remotely monitored via the QuadraSphere NMS.

For outdoor applications where an uninterrupted service is essential - such as surveillance - the QuadraPower enclosure is powered using Power Over Ethernet (PoE) and is solar and wind ready to maintain operation when utility power fails. Features include an advanced battery charge controller to protect against over-charging or over-discharging of the valve-regulated sealed lead acid AGM batteries. In this way, QuadraPower gives over a day's battery life for a standard WiFi device and 12 hours for wireless device and camera.

The ruggedised outdoor design of the enclosure and its ability to operate across a wide temperature range ensures that it will continue to run in the harshest of environments. The UPS function overcomes both blackout and brownout situations thus maintaining system availability when other systems are down.

QuadraPower has tight integration with the Datasat QuadraFlex range of intelligent wireless systems. It also has multiple ports for CAT5 cable, antenna cables/connectors or other cabling. This ensures that all elements on the networks can be powered by the same unit and reduces the chance of a single point of failure.

Battery status, current, power and temperature can be monitored from anywhere on the network or via a web-based device.



## > Key Features

- Ruggedised, IP67 Outdoor PSU
- Power rating: 30W
- Solar ready, Wind ready
- 48VDC 60W over PoE charging
- Battery system: 24VDC @ 18Ah
- Sealed lead acid AGM battery
- 26 hours life for typical WiFi Access Point
- 12 hours life for WiFi Access Point & CCTV camera
- PoE output voltage: 24VDC @ 1A
- Secondary output voltage: 24VDC @ 1.5A
- NMS and remote control via web interface
- Monitor battery status, current, power, temperature and relays

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## Specifications

PoE Output Voltage Available (DC)	12V, 18V, 24V, 48V
Available Capacities (Amp Hours)	18Ah, 36Ah
Total Output Power	30W
Maximum PoE Input Voltage	57V
Battery Type	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)
Battery Voltage	12V
Battery Life	5 Years
Controller Type	Dual Input Solar/POE, PWM, 12V 8A Max Solar Panel Size 135W
Overcharge Protection	14.4V
Over-discharge Protection	11.0V
Over-discharge Recovery Voltage	12.0V
Controller Self Consumption	<0.5V
Charging PoE Power Supply	120/220VAC In ; 24VDC 60W Out
Enclosure Type	Polycarbonate
Enclosure External Size	17.5 x 12.5 x 6" (445 x 318 x 152mm)
Enclosure Internal Size	14 x 10 x 5" (356 x 254 x 127mm)
Space for Customer Electronics	7 x 7 x 4" (177 x 177 x 102mm)
Operating Temperature	-30°C to +60°C (-22°F to 140°F)
System Weight (Without Batteries)	4lb (1.8kg)
Battery Weight (Each)	5.5lb (2.5kg)
System Monitoring	Remote (Via QuadraSphere NMS)

Contact us today with your communications requirements on +44 (0)118 934 9199 or email us at [sales@datasat.com](mailto:sales@datasat.com)