

QPS10A2CH



3 Year Warranty

QPS10A2CH POWER SUPPLY WITH ENCLOSURE

The QPS10A2CH was designed to provide a reliable, efficient, and secure power solution for critical security and automation systems. With advanced protections, intelligent charging, and support for up to 18Ah batteries, it ensures uninterrupted power in demanding environments, meeting the growing need for dependable backup systems.

295x195x90mm



PRODUCT DESCRIPTION

The QPS10A2CH is a highly efficient and reliable metal box UPS power supply designed for demanding security and automation applications. This robust power supply provides a stable 13.8V / 10A output along with an additional 950mA charging current, ensuring consistent performance and uninterrupted power in critical environments. Built with high-quality materials and advanced safety features, the QPS10A2CH is the ideal choice for maintaining continuous power to essential systems.

The power supply supports batteries up to 18Ah, making it a versatile solution for extended backup power. Its intelligent charging system adjusts to battery conditions, ensuring a longer battery lifespan and reliable performance. This unit's metal enclosure, equipped with a secure key-lock, allows for easy wall-mounted installations and ensures durability in both residential and commercial setups.

PRODUCT ADVANTAGES

High Efficiency: Operates at 88%, ensuring energy savings and reliability.

Advanced Protection: Safeguards against overload, overvoltage, short circuit, and battery deep discharge.

Battery Support: Compatible with 18Ah batteries for extended backup.

LED Indicators: Clear monitoring of power, charging, and fault status.

Durable Design: Sturdy metal box with a secure key-lock mechanism.

Flexible Features: Optional modules for enhanced functionality.

Rigorous Testing: 100% full load burn-in test for dependable performance.

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TECHNICAL SPECIFICATION

Product Parameter	Description Parameter
Model	QPS10A2CH
Input	<ul style="list-style-type: none"> Voltage Range: 190 - 265VAC Frequency Range: 50 - 60Hz Efficiency (Typical): 88%
Output	<ul style="list-style-type: none"> Voltage (AC Supplies): 13.8V Rated Current: 10A Rated Power (Max): 151W (with charging) Ripple & Noise: <100mVp-p Line Regulation: $\pm 2\%$ Load Regulation: $\pm 2\%$ Output Channels: 2 channels
Charging	<ul style="list-style-type: none"> Current: 950mA (max) Battery Voltage: 13.8V
Protection	<ul style="list-style-type: none"> Overload: 11.5A $\pm 5\%$, auto recovery Over Voltage: 16V $\pm 5\%$, auto recovery Short Circuit: Auto recovery Battery Deep Discharge: 10V $\pm 2\%$, PSU shuts down until AC power recovers Battery Reverse Connect: Battery does not work
Environment	<ul style="list-style-type: none"> Working Temperature: -20°C to 50°C Storage Temperature: -30°C to 80°C Humidity: Working: 20 - 80%RH; Storage: 10 - 90%RH
LED Indicators	<ul style="list-style-type: none"> AC Power: Green (On) DC Output: Green (On) Charging: Yellow (Flickering for charging, On when fully charged) AC Failure: Red (On for failure) Battery Voltage Low: Red (On for <11V battery)
Physical	<ul style="list-style-type: none"> Dimensions: 295mm x 195mm x 90mm Compatibility: Fits 1 x 12V 9Ah or 18Ah battery
Warranty	3 Years
Certifications	CE
Place of Origin	Malaysia

