



Key Features & Benefits

- Seamless transfer to battery backup system ensures Outdoor PoE Switch remains powered
- Wide ac input voltage window lengthens battery life
- Designed for outdoor installations, the Outdoor UPS is lightweight and low profile with latch locks providing protection and security
- Full weather outdoor protection, high Impact polycarbonate hinged enclosure with IP68 weatherproof rating
- Three year limited warranty on electronics, parts and labor; manufacturer's warranty on batteries

LinkPower™ Outdoor UPS1048 UPS Power System

LinkPower™ UPS1048

Outdoor 48V DC 260W UPS Power System

The LinkPower™ UPS1048 Outdoor Uninterruptible Power Supply 1048 provides AC to battery backup 48V DC and 260W output for applications, e.g., LinkPower™ Outdoor PoE Switches, needing backup power in outdoor environments. The UPS1048 includes AGM sealed lead acid battery backup is housed in a weather-protected IP68 enclosure. It provides a wide input voltage range (100 to 240V AC) to deliver a nominal 48V DC output. Outdoor UPS1048 design is suitable for severe outdoor environments with temperatures ranging from -20°C to 60°C when four 12V battery discharges and one-hour battery backup time with 260W load.

Designed for Applications

- Smart City
- IP Video Surveillances
- Campus Networks
- Fixed Wireless Networks
- Border Security Surveillance
- Municipal Networks
- Hospitality Networks
- Hotspot Integrations
- VOIP Services
- Traffic Monitoring

System Highlights

- Output of rectifier - high efficiency up to 90%
- Protection: Input fuse / overload / over voltage / Short Circuit
- Rectifier with air fan cooling and heating (Optional)
- No delay battery boot up
- 4 12V Sealed AGM Batteries
 - Extended life over flooded lead acid
 - Faster charging over flooded lead acid
 - No off-gassing
- High impact polycarbonate hinged enclosure with locking latch, UL Type 4X, IP66 with locking latches and IP168 with screws
- Wall and pole mount installation

¹Voltage Status can be 12V DC, 24V DC, 48V DC, or 802.3af depending on the models.

All above images were taken for the purpose of these explanations; actual images may differ. (03/2010-T)

Technical Specifications

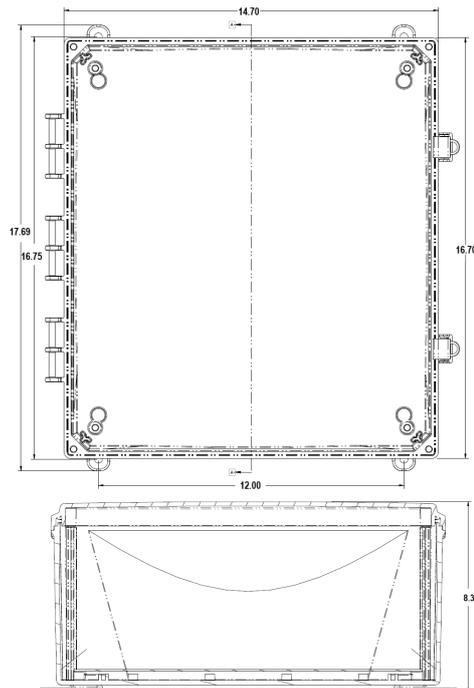
INPUT	Voltage Range	100 - 240VAC	
	Frequency Range	50 - 60Hz	
	Input Current	6.0 A MAX	
OUTPUT	Voltage (AC Mode)	52V	
	Voltage (Battery Mode)	Same as battery voltage	
	Rated Current	5.0A	
	Rated Power (Max.)	260W	
	Efficiency (Typ.)	90%	
	Ripple & Noise	1% mVpp	
	Output Channel	2 channels	
CHARGING	Voltage	54V ±2%	
	Current	0.2A (max.) Constant voltage mode, charge current decreases when battery voltage increases.	
PROTECTION	Overload	6A ±5% Hiccup mode, recovers automatically after fault condition is removed.	
	Over Voltage	60V ±5% Hiccup mode, recovers automatically after fault condition is removed.	
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.	
	Battery Low Voltage	46V ±2% PSU shuts down until AC power recovers.	
	Battery Reverse Connect	Battery not works, no effect on main output.	
ENVIRONMENT	Temperature	Working: -25 – 60°C	Storage: -40 - 80°C
	Humidity	Working: 20 - 90%RH	Storage: 10 - 95%RH
LED INDICATOR	Red	On	AC power is on
	Green	On	DC output is on
	Yellow	On	Battery is discharging / fully charged
		Flickering	Battery is charging
	Red	On	AC failure alarm
	Red	On	Battery low voltage (<44V) alarm
SAFETY & EMC	EMC Standards	EN 55022: 2010, EN 55024: 2010, EN 61000-3-2: 2014, EN 61000-3-3: 2013	
	LVD Standards	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013	
Enclosure	Dimensions: 16x14x7 Inch, Weight: 33 LB High Impact polycarbonate hinged enclosure with clear cover with locking latch. UL Listed		
Warranty	Three year limited warranty on electronics, parts and labor; manufacturer's warranty on batteries		



PACKAGE CONTENTS

- UPS1048 (1)
- WECK0003 Waterproof Ethernet Connector Kit (1)
- WPCK0003 Waterproof Power Cord Kit (1)
- Wall Mount Kit WM0001 (1)
- User Manual (1)
- Warranty Sheet (1)
- MMK0001-XL Pole Mount Kit (1) (Optional)

Enclosure Dimensions:



Pole Mount Kit (Optional):



MMK0002-L Pole Mount Kit
Optional Accessory



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Revision 1.0

Total PoE Solutions for Wired/Wireless, IP Video, & Smart City Applications

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