



LinkPower™ OUTDOOR UPS1048 System

LinkPower™ UPS1048 Outdoor UPS with 48V DC Output

The LinkPower™ UPS1048 Outdoor Uninterruptible Power Supply 1048 provides AC to battery backup 48V DC output for applications, e.g., LinkPower™ Outdoor PoE Switches, needing backup power in outdoor environments. The UPS1048 includes AGM sealed lead acid battery backup capability 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 use in severe outdoor environments with a temperature range from -20°C to 60°C when batteries discharging and one hour battery backup time with 240W load.

System Highlights

- Output of rectifier - high efficiency up to 90%
- Protection: Input fuse / overload / over voltage / Short Circuit
- Rectifier with air fan cooling
- No delay battery boot up
- 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



Key Features & Benefits

- Seamless transfer to battery backup system ensures Outdoor PoE Switch remains powered
- Wide ac input voltage window lengthens battery life
- 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

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

Technical Specifications

INPUT	Voltage Range	100 - 240VAC	
	Frequency Range	50 - 60Hz	
OUTPUT	Voltage (AC Mode)	52V	
	Voltage (Battery Mode)	Same as battery voltage	
	Rated Current	4.61A	
	Rated Power (Max.)	240W	
	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: -20 – 60°C	Storage: -40 - 80°C
	Humidity	Working: 10 - 90%RH	Storage: 10 - 90%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	Diminsions: 16x14x7 Inch High Impact polycarbonate hinged enclosure with clear cover with locking latch. UL Type 4X (IP66)		
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)
- User Manual (1)
- Warranty Sheet (1)
- MMK0003-L Pole Mount Kit (1) (Optional)



United States Headquarters 1620 Oakland Road, Suite D101, CA 95131, U.S.A.
PHONE +1.408.392.9800 TOLL FREE +1.888.267.4507 FAX +1.408.392.9812 EMAIL sales@inscapedata.com

Revision 1.0

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

© Copyright 2010, Inscape Data Corporation, All Rights Reserved. LinkPower, AirEther, AirGoogle and Inscape Data are trademarks of Inscape Data Corporation

Disclaimer: While every effort is made to ensure the information given is accurate, Inscape Data Corporation does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.