# *Edge*Power

## DATASHEET



### EdgeMAX<sup>®</sup> Uninterruptible Power Supply

Reliable and Convenient UPS for WISPs

UNMS<sup>™</sup> Remote Management

Automatic Alerts for Power Outages



### SICE DISTRIBUTORE UFFICIALE: www.sicetelecom.it

## *Edge*Power

### Overview

Ubiquiti offers two EdgePower™ models for the specific requirements of your application:

- EP-54V-150W
- EP-24V-72W

### Modular DC Power Supply for EdgePoint

The EdgePower EP-54V-150W is a high-power, modular PSU system designed to connect to EdgePoint<sup>™</sup> routers or switches, and provide reliable power to attached PoE devices.

The EP-54V-150W uses modular PSUs for flexible configuration options. It can utilize two modular PSUs to provide up to 300W of power, or be configured to provide up to 150W of power with an automatic PSU backup.

The EP-54V-150W consists of a rack-mountable, two-bay housing and control unit, and includes one AC-DC 54V, 150W PSU module. The second PSU bay can house an AC-DC or DC-DC PSU module (sold separately):

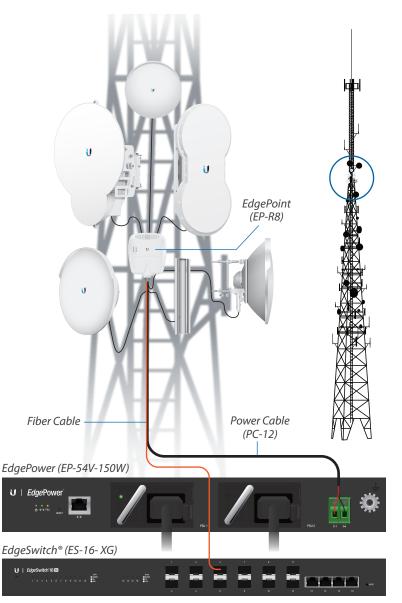
- EP-54V-150W-AC
- EP-54V-150W-DC

#### **High Power**

The EP-54V-150W provides up to 150W of power output. With an optional PSU in the secondary bay, it may be configured to deliver up to 300W of power.

#### **Backup PSU**

The secondary PSU may be configured as a backup PSU. In backup mode, the secondary PSU remains inactive and offline. If failure of the primary PSU is detected, the secondary PSU automatically activates to supply continuous power.



**Tower Deployment Example** 



### SICE DISTRIBUTORE UFFICIALE: www.sicetelecom.it

## *Edge*Power<sup>®</sup>

#### Modular DC Power Supply with UPS and PoE

Protect your WISP site against power loss with the EdgePower EP-24V-72W, a convenient UPS device with dual PoE output ports.

You can receive alerts in the event of a power outage, and the EP-24V-72W offers a 12V lead acid battery input for redundancy if the AC input fails over (battery not included).

The EP-24V-72W offers the following outputs:

• 24VDC

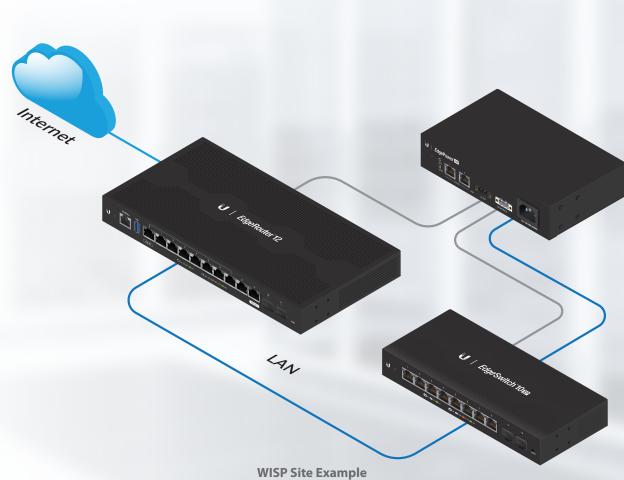
ĥ

(2) 24V passive PoE

In the following diagram, the EP-24V-72W powers both the EdgeRouter<sup>™</sup> ER-12, which acts as an internet gateway, and the EdgeSwitch ES-10XP, which acts as a PoE switch for the LAN. The EdgePower is also connected to the EdgeSwitch via an Ethernet cable for management.



EP-24V-72W



## *Edge*Power<sup>®</sup>

## **Management Flexibility**

#### Local Web UI

The EdgePower Configuration Interface allows you to easily configure and monitor PSU features.

Ping Watchdog sets the EdgePower to continuously ping an IP address you define. If it is unable to ping, then the EdgePower will automatically reboot.

#### Local Web UI



Use the local web UI to monitor and configure the EdgePower

#### **Remote Management**

The EdgePower may be connected to the LAN for remote monitoring and configuration.

Use the UNMS (Ubiquiti<sup>®</sup> Network Management System) for remote management. You can also use SNMP to monitor the EdgePower for issues that warrant attention.

Ubiquiti Network Management System

	ALL (500)	ACTINE (477)		ISABLED (4) U	ANUTHORIZED IN	ADD DEVICE	DOWNLOA	O BACKUPS	UPGRADE DEVICES FIRMWARE		Search Q
		STATUS	NAME	VERSION	MODEL T	UPTIME	LAST SEEN	099	SHARL	ASSIGNED TO	ACTIONS
	(ALIMPIC-)	(1011000238)	kepen, Boulevard, 1	1.9.2	EP-535		11h ago			Kulged, Circle, 17	>> wove 💼 delete
	(ALIMPER )	(1000)	Zuna, Avenue, 10	192	EP-516	2m ets	new	-	20%	Herman, 20	>> MOVE () RESTART
	(COMPRESS)	(101705)	Tagob Orive 54	19.2	EP-515	0m 12s	row		25	Ohdz, Parkway, 19	» HEHE O RESTART
	(A110000-0-)	(10210)	Hoog, Ridge, 9	192	EP-516	7m 52s	row	-	118	Holen, 15	» HOVE () RESTART
	(STREET)	(10794)	Ala, Court, 3	192	DP-516	8m 12s	new	-	195	140.8	>> HONE () RESTART
		(100	Lude, River, 2	192	CR-0	1m 20s	row		115	Francisco_19	» MOVE () RESTART
		(#296)	Prive, Street, 14	1.9.2	69.0	8m 53s	row		28	Cameron,19	» serve 🔿 mathar
		(1000	Librur, Loop, 17	192	61-8	275	raw		92%	Mpart,6	> MOVE () RESTART
		(1111)	Mirid,Highway,5	19.2	CR-0	7m 12s	row	-	27%	Laspuk, Determion, 12	» HEVE C RESTART
		(8298)	Hows, Grove, 17	1.9.2	68-8	36m 37s	row	-	19%	Raymond, 56	» ноче 🔿 вестият
		(1000	Morud, Point, 17	192	68-8	9m 13s	raw	-	385	Leo_13	> MOVE () RESTART
		(1111)	Tera, Ridge, 2	19.2	69.0	4m 9s	row		9%	Lovetta,9	» wove 🔿 RESTART
	_	(8296)	Zoga, Boulevard, 2	1.9.2	69.6	Pm 54s	row	-	19%	Bala_14	> HOVE () RELIVAT
		(100	Asta Center, S	19.2	68-8-XG	10w 154	raw	-	52%	Mis.Path.7	» HOVE O RESTART
		(81795)	Nubva Lane 2	192	68-8-XG	ðm 53s	row		SN	Jeanette_0	» wove 🔿 sestaat
		(1001	NPps, Rep., 20	1.9.2	ER-8-30	13= 164	row		7%	Farry_19	» ноче 🔿 вестият
*		(8298)	Pavag Loop_14	192	ER-0-X5	28m.6s	row		25	Bitter, Court, P	>> HONE () RESTART
		(81785)	Overal Loop_18	19.2	68-8-XG	13m 16e	row		7%	Jula,7	» sebut 🔿 sestaat
		(1099)	Wathy, Boulevard, 8	1.9.2	ER-8-905	Im Bi	raw	-	12%	Helena,18	>> HOVE () RELIVAT

Use UNMS to register and manage multiple EdgeMAX devices

## **Outdoor DC Power Cabling**

Manufactured to engineering specifications to supply reliable power to your EdgePoint devices. Available in 1000 ft. (305 m) reels.

- All-Weather, UV-Resistant
- 12 AWG Tinned Stranded Copper
- Fire-Resistant Polyethylene Jacket (FT-1)
- Temperature Range: -30 to 90° C
- Pull Tension: 80 lb Minimum
- Capacitance: 28 pF/ft @ 1 kHz
- DCR: 1.77 Ω/1000 ft @ 20° C
- Voltage Rating: 300V
- Impedance: 56 Ω



## *Edge*Power<sup>®</sup>

## SPECIFICATIONS

U	EdgePower" 200		
			1.2.
			1
		12N BATTERY N	Input 109-2408, 50/5082

Dimensions	192 x 43.7 x 115 mm (7.559 x 1.72 x 4.528")
Weight	650 g (1.43 lb)
Interfaces Networking Management	(2) 10/100 Mbps RJ45 Ports Ethernet In-Band
PoE Output	(2) 24VDC Passive PoE (Pins 4, 5+; 7, 8-)
DC Output	24V, 3A
Power Method AC Input Battery Input	100-240VAC, 50-60 Hz, Universal Input DC Terminal Block
Power Supply AC Input Battery Input	AC/DC 72W 12VDC Lead Acid Battery*
Max. Power Consumption System Output	2W 72W
LEDs System RJ45 Data Ports	Status PoE; Link/Activity
ESD/EMP Protection	Air: ± 12 kV, Contact: ± 12 kV
Operating Temperature	0 to 40° C (32 to 104° F)
Operating Humidity	10 to 90% Noncondensing
Certifications	CE, FCC, IC

EdgePower 24V 72W (model: EP-24V-72W)

\* Battery not included

## *Edge*Power<sup>™</sup>

SPECIFICATION	S
---------------	---

EdgePower 54V 150W (Model: EP-54V-150W)				
Dimensions	299.8 x 286.9 x 42.55 mm (11.89 x 11.3 x 1.675")			
Weight without Mount Brackets	2.7 kg (5.95 lb)			
Interfaces Networking Management	(1) 10/100 Mbps RJ45 Port Ethernet In-Band, Web UI			
Maximum Power Output	150W (1 PSU Module) 300W (2 PSU Modules @ 150W Each)			
Power Method	100-240VAC/50-60 Hz, Universal Input			
Power Supply Module	54V, 150W AC/DC, Model EP-54V-150W-AC, Installed in PSU 1			
LEDs Power Ethernet PSU	System On/Off Management Port Link PSU1+PSU2, PSU1/PSU2			
Rack-Mount	Yes, 1U High			
ESD/EMP Protection	Air $\pm$ 24kV; Contact $\pm$ 24kV			
Operating Temperature	0 to 40° C (32 to 104° F)			
Operating Humidity	10 - 90% Noncondensing			
Certifications	CE, FCC, IC			

U   <i>Edge</i> Power ⊂ C € C ⊂ C ⊂ C ⊂ C ⊂ C ⊂ C ⊂ C ⊂ C ⊂ C	U   EdgePower'		
U EdgePower CE CE A CE			
	U   <i>Edge</i> Power	This device complex with Part 19 of PCC in Consider is subject to the following 2 monitors to the device may with cases teamfor interference 9 for device may with cases teamfor interference 9 for device with a work on a bioference to the	CE 💩 🗵

## *Edge*Power<sup>™</sup>

EdgePower 54V 150W DC (model: EP-54V-150W-DC)						
Power Method	DC/DC 150W for 22 - 60V Input, DC Terminal Block for 54V Output					
Power Supply	DC/DC 150W for 22 - 60V Input					
Supported Voltage Range	DC/DC for 22 - 60V Input, 54V Output					
Battery Type	2/3/4 Series Lead Acid Battery					
Maximum Charging Voltage 2 Series 3 Series 4 Series	26.8 - 27.5V 40.2 - 41.2V 53.6 - 55V					
Discharge Protection Voltage 2 Series 3 Series 4 Series	21.5V 32V 43V					
Charging Current 2 Series 3 Series 4 Series	0.3A 0.3A 0.2A					
LED	System On/Off					
ESD/EMP Protection	Air $\pm$ 8kV; Contact $\pm$ 6kV					
Operating Temperature	0 to 40° C (32 to 104° F)					
Operating Humidity	10 to 90% Noncondensing					
Certifications	CE, FCC, IC					

EdgePower 54V 150W AC (Model: EP-54V-150W-AC)					
Power Method	AC/DC 150W for 110 - 240VAC Input, DC Terminal Block for 54V Output				
Power Supply	AC/DC 150W for 110 - 240VAC Input				
Supported Voltage Range	AC/DC for 110-240VAC Input , 54V Output				
LED	System On/Off				
ESD/EMP Protection	Air $\pm$ 8kV; Contact $\pm$ 6kV				
Operating Temperature	0 to 40° C (32 to 104° F)				
Operating Humidity	10 - 90% Noncondensing				
Certifications	CE, FCC, IC				

### SPECIFICATIONS









Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at; ui.com/support/warranty

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions. ©2016-2019 Ubiquiti Inc. All rights reserved. Ubiquiti, Ubiquiti Networks, the Ubiquiti U logo, the Ubiquiti Deam logo, airMAX, airOS, EdgeMAX, EdgePoint, EdgePower, EdgeRouter, EdgeSwitch, PowerCable, and UNIMS are trademarks or registered trademarks of Ubiquiti Inc. in the United States and in other countries. Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. Apples on the reserved of the respective owners. JL040219



#### SICE DISTRIBUTORE UFFICIALE: www.sicetelecom.it