

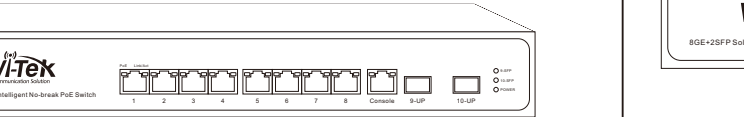


Installation Guide

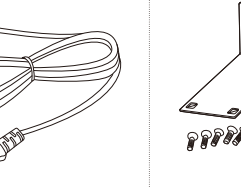
WI-PMS310GF-UPS+

www.wireless-tek.com

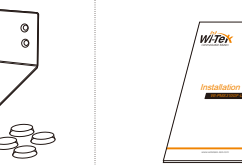
1.Package Contents



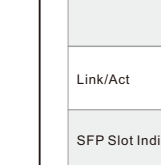
1xWI-PMS310GF-UPS+



1xAC Power Cord
(Except Australia)



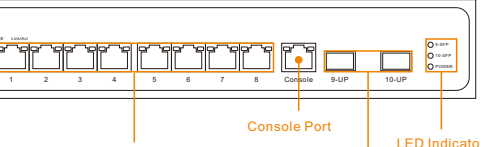
Mounting Accessories
(Hook*2; MATS*4; Screw*8)



1xInstallation Guide

2.Hardware Introduction

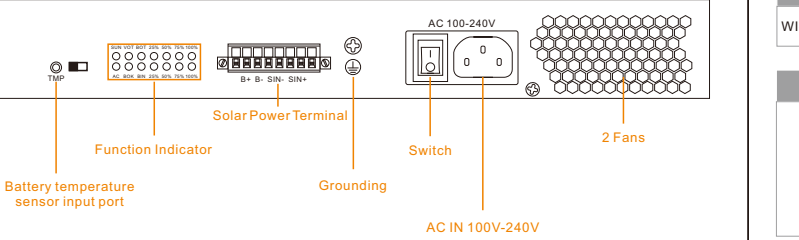
2.1 Front Panel



10/100/1000Mbps PoE Port
Console Port
LED Indicator
SFP Slot

LED Indicators	Status	Description
PW: Power system	On	Power on
	Off	Power off
PoE Port	Amber (24V)	On 24V passive PoE output
		Off No 24V passive PoE output
	Green (48V)	On 48V passive PoE output
		Off No 48V passive PoE output
Link/Act	On	Link established
	Off	No link
SFP Slot Indicator: 9, 10	On	Link established
	Off	No link

2.2 Back Panel



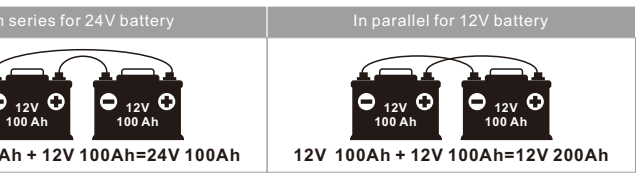
Function Indicator
Solar Power Terminal
Switch
2 Fans
AC IN 100V-240V

Function Indicator	Status	Description
SUN: Solar panel	Solid on	Solar power on
	Off	No solar power
	Blink	1/2S: Battery is connected 1/4S: Battery is abnormal
AC	Solid on	AC input
	Off	No AC input or no solar power
	Blink	AC input is error, stop charging
VOT: PoE voltage	Solid on	PoE out voltage is normal
	Off	PoE out voltage is abnormal
BOK: Battery indicator	Solid on	Battery is charging
	Off	No battery power
	Blink	Battery is connected, but battery is abnormal
BOT: Battery discharge	Solid on	Battery is discharging and battery capacity is > 15%
	Off	End of battery discharge or no discharge
	Blink	1/2S: Battery capacity is ≤ 15%
25%, 50%, 75%, 100%	Solid on	Reference the battery discharge capacity
	Solid on	Battery is charging and battery capacity is < 98%
	Off	Battery is charged fully or no charging
BIN: Battery charging	Off	The battery is charging, and battery capacity is ≥ 98%
	Blink	The battery is charging, and battery capacity is ≥ 98%
	Solid on	Reference charge capacity

3.Hardware Installation

Step 1: How to get 12V or 24V voltage battery?

Product	Battery type	Battery Voltage	Battery Max Charge Current
WI-PMS310GF-UPS	Lead acid, lithium Lead acid lithium iron(lifePo4)	12V or 24V	20A



Step 2: How to select a suitable solar panel?

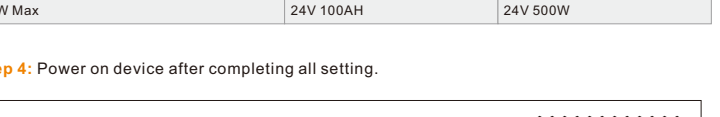
Solar Panel Type	Maximum power voltage(Vmp)	18V
12V Solar Panel	Open circuit voltage(Voc)	<32V
24V Solar Panel	Maximum power voltage(Vmp)	30V
	Open circuit voltage(Voc)	<57V
S+ S- Input Voltage	12-67V	

Step 3: Calculate solar panel and battery capacity
Example: Load=15W (1 pc UPS PoE switch, 2 pcs IP camera, 1 pc wireless CPE)
Sun: 8h/day. Solar Panel: 100W. Battery: 12V/40Ah = 480Wh (100%)
DAY TIME
Battery capacity at sunrise: 0%
Charge: 100W x 8h x 70% efficiency = 560Wh
Consumption: 15W x 8h = 120Wh
Battery capacity at sunset: 560-120 = 440Wh = 93%
NIGHT TIME
Battery capacity at sunset: 440Wh (93%)
Consumption: 15W x 16h = 240Wh
Battery capacity at sunrise: 440-240Wh = 200Wh = 42%
So you can use 12V/100W solar panel with 12V/40Ah battery.
Note: UPS max. solar power
WI-PS310GF-UPS+ = 20A x 24V = 480W

4.Web Management

The following shows how to start up the Web Management of the WI-PMS310GF-UPS+. Please make sure the manager PC must be set to the same IP subnet address.

For example, the default IP address of the WI-PMS310GF-UPS+ is VLAN1 192.168.0.1. Then the manager PC should be set to 192.168.0.x (where x is a number between 1 and 254, except 1), and the default subnet mask is 255.255.255.0.

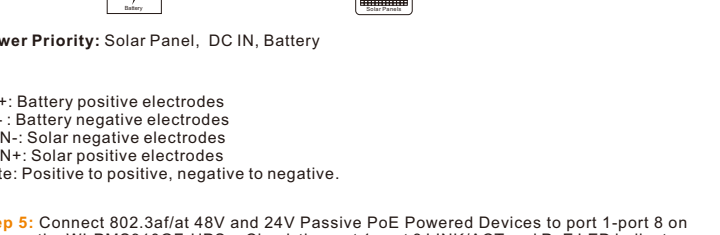


IP Address: 192.168.0.x
IP Address: 192.168.0.1

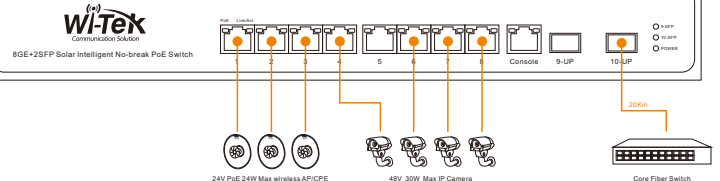
Logging in to the WI-PMS310GF-UPS+

Step 1: Use Web browser to enter IP address http://192.168.0.1 (default IP address)

Step 2: When the following dialog box appears, please enter the default user name "admin" and password "admin" (or the password you have changed before).



Step 5: Connect 802.3af/at 48V and 24V Passive PoE Powered Devices to port 1-port 8 on the WI-PMS310GF-UPS+. Check the port 1-port 8 LINK/ACT and PoE LED indicator.

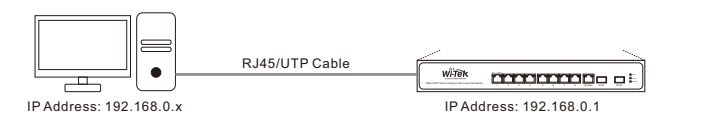


Port	PoE Output	Application	PIN
Port 1-8	Optional: 24V 24W or 48V 30W	Passive PoE 24V: Compatible with wireless CPE 802.3af/at PoE 48V: Compatible with IP camera, wireless AP	4/5+, 7/8- 1/2+, 3/6-, 4/5+, 7/8-

4.Web Management

The following shows how to start up the Web Management of the WI-PMS310GF-UPS+. Please make sure the manager PC must be set to the same IP subnet address.

For example, the default IP address of the WI-PMS310GF-UPS+ is VLAN1 192.168.0.1. Then the manager PC should be set to 192.168.0.x (where x is a number between 1 and 254, except 1), and the default subnet mask is 255.255.255.0.

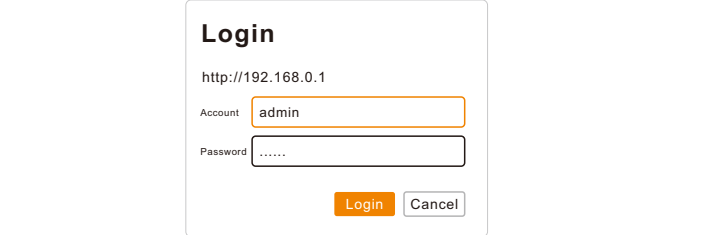


IP Address: 192.168.0.x
IP Address: 192.168.0.1

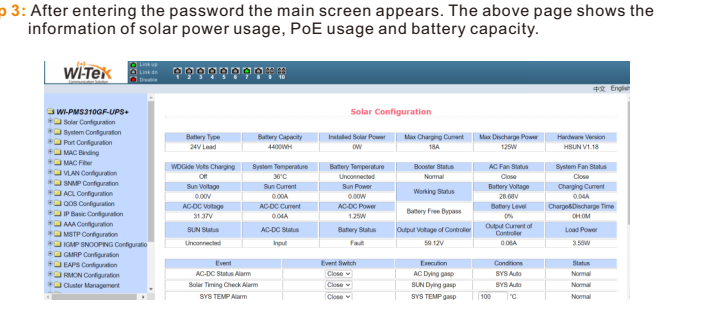
Logging in to the WI-PMS310GF-UPS+

Step 1: Use Web browser to enter IP address http://192.168.0.1 (default IP address)

Step 2: When the following dialog box appears, please enter the default user name "admin" and password "admin" (or the password you have changed before).



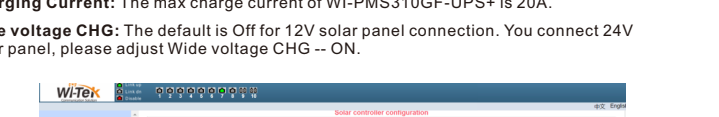
Step 3: After entering the password the main screen appears. The above page shows the information of solar power usage, PoE usage and battery capacity.



4.Web Management

The following shows how to start up the Web Management of the WI-PMS310GF-UPS+. Please make sure the manager PC must be set to the same IP subnet address.

For example, the default IP address of the WI-PMS310GF-UPS+ is VLAN1 192.168.0.1. Then the manager PC should be set to 192.168.0.x (where x is a number between 1 and 254, except 1), and the default subnet mask is 255.255.255.0.

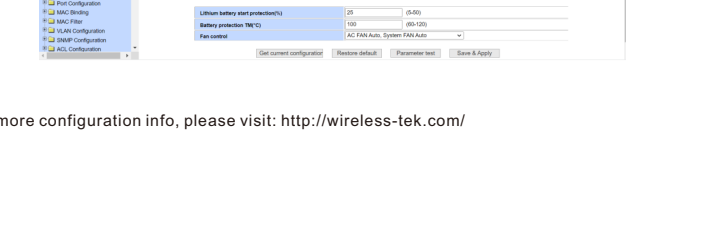


IP Address: 192.168.0.x
IP Address: 192.168.0.1

Logging in to the WI-PMS310GF-UPS+

Step 1: Use Web browser to enter IP address http://192.168.0.1 (default IP address)

Step 2: When the following dialog box appears, please enter the default user name "admin" and password "admin" (or the password you have changed before).



Step 3: After entering the password the main screen appears. The above page shows the information of solar power usage, PoE usage and battery capacity.



Warranty Card

The battery type and battery capacity will be auto display. The default of Wide Capacity CHG -- Off.

E.g. If you want to connect a 24V 200W solar panel, and 24V 100AH lead-acid battery.

Battery configuration -- Auto, the battery type is automatically displayed 24V lead-acid battery. If it is incorrect, please choose the battery type manually in the drop down box.

Battery Capacity: It is automatically displayed, if the data is incorrect you can enter the right data manually (Formula: Wh= V*Ah).

Charging Current: The max charge current of WI-PMS310GF-UPS+ is 20A.

Wide voltage CHG: The default is Off for 12V solar panel connection. You connect 24V solar panel, please adjust Wide voltage CHG -- ON.

Username	
Address	
Telephone No.	
Purchase Shop	
Purchase Address	
Product Model No.	
Purchase Time	
Serial No.	
Dealer Signature	

- If the product defects within three months after purchase, we will provide you a new product of the same model.
- If the product defects within the three-year warranty period, we will provide the professional maintenance service.
- Proof of purchase and a complete product serial number are required to receive any services guaranteed as part of the limited warranty.
- Any other defects that are not caused by workmanship or product quality, such as natural disaster, water damage, extreme thermal or environmental conditions, sticker damaged, warranty card losing will disqualify the product from limited warranty.

For more configuration info, please visit: <http://wireless-tek.com/>

Technical Support

Company Website

Cloud Management



Wireless-Tek Technology Limited
Address: Biaofang Technology Building 402, Bao'an street,
Baoan District, Shenzhen City, Guangdong, China
Website: www.wireless-tek.com
Tel: 86-0755-32811290
Email: sales@wireless-tek.com
Technical Support: tech@wireless-tek.com

