Wi-Tek
Communication Solution

UPS No-Break Solar PoE Switch

WI-PMS310GF-UPS+ | WI-PS306GF-UPS | WI-PS306GF-UPS-15A | WI-PMS306GF-UPS-I

Overview

Wi-Tek UPS No-Break Solar PoE Switch Serial is designed for CCTV surveillance and wireless network, including unmanaged and layer 2 managed solar PoE switches. Based on its green energy, it can be charged by the inexhaustible and natural source of energy -- solar power. It can conserve green energy economically and power the remote IP cameras and wireless AP, especially used for expansive applications such as dams, forests, deserts, national parks, and highways.
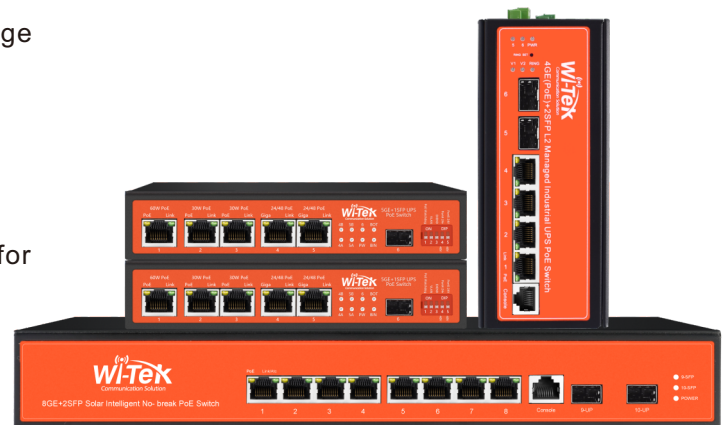
Features

Built-in MPPT (Maximum Power Point Tracking) Charge Controller)

An MPPT(Maximum Power Point Tracker) is an electronic DC to DC converter that optimizes the match between the PV solar panels and the battery bank or utility grid. They convert a higher voltage DC output from solar panels to the lower voltage needed to charge the battery effectively.

Zero-Carbon and Stable Power Supply

The 24V/24 batteries get recharged by the solar power and then keep powering PoE Powered Devices without the need for any power. Its zero-carbon feature is made possible as the energy the unit gets is renewable. More importantly, the operation of outdoor wireless IP-based surveillance can be continued into the night as the battery is charged during the day.

Battery Working Status Monitoring and LED Indicator

The administrator can monitor the current status of PoE power usage easily and efficiently via its LED indication. The panel of the switches has LED indicators of different battery levels.

User-friendly and Secure Management (For L2 Managed solar PoE Switch)

The administrator can remotely access the to know the power status of the battery and renewable energy. The managed switch management functions: Current battery usage status by percentage; Low voltage cut-off protection.

Layer 2 Managed Powerful Functions (For L2 Managed solar PoE Switch)

Many Layer 2 functions can help you manage your Powered Devices easily, such as low voltage cut-off protection, intelligent powered device alive check, schedule power recycling, and PoE schedule for energy savings.

WI-TeK
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We Innovate, Take you Explore unKnown!

Specifications

Product	WI-PMS310GF-UPS+		WI-PS306GF-UPS		WI-PS306GF-UPS-15A	WI-PMS306GF-UPS-I
HARDWARE VERSION	V1	V2	V2	V3	V1	V1
Interface	8 10/100/1000Mbps RJ45 Ports 2 1000Mbps SFP Slots 1 Console Port	8 10/100/1000Mbps RJ45 Ports 2 1000Mbps SFP Slots 1 Console Port	5 10/100/1000Mbps RJ45 Ports 1 1000Mbps SFP Slot	5 10/100/1000Mbps RJ45 Ports 1 1000Mbps SFP Slot	5 10/100/1000Mbps RJ45 Ports 1 1000Mbps SFP Slot	4 10/100/1000Mbps RJ45 Ports 2 1000Mbps SFP Slots 1 Console Port
PoE Ports (RJ45)	Port 1-8: 802.3af/at PoE+ or Passive 24V		Port 1: 802.3bt PoE++ 60W Port 2-3: 802.3af/at PoE+ Port 4-5: 802.3af/at PoE+ or Passive 24V 24W			Port 1-2: 802.3af/at PoE+ 30W or passive 24V Port 3-4: 802.3af/at/bt PoE++ 90W Port 5-6: SFP Slot with 1000Mbps
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m)		10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF(2m~5000m)			10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5µm/50µm MM(2m~550m) or 10µm SMF (2m~5000m)
Fan Quantity	2 Fans		Fanless			
Power Consumption	150W (max. with PoE device connected)		120W (max. with PoE device connected) 5W Max (without PoE output)			
Power Supply	AC 110~240V 50/60HZ		For 12V Battery: DC 18-30V For 24V Battery: DC: 30-36V DC IN:12-57V	For 12V Battery: DC 15-26V For 24V Battery: DC 30-36V DC IN:12-57V	For 12V Battery: DC 15-32V For 24V Battery: DC 30-57V DC IN:12-57V	
Power Priority	Solar Power>AC>Battery		Solar Power>DC>Battery		Solar Power/DC - Battery	Solar Power>DC>Battery
Solar Controller Input	24V 500W Max	12/24V 500W Max	≤32V(12V standard) ≤45V(24V standard)250W Max	≤32V(12V standard) ≤45V(24V standard)300W Max	≤32V(12V standard) ≤45V(24V standard)300W Max	
Battery Type	Lead acid/lithium/lifepo4		Lead acid/lithium			Lead acid/lithium/lifepo4
Battery Input	24V 10A	12/24V 20A	12/24V 5A		12/24V 15A	12/24V 10A
Exchange Capacity	20Gbps		12Gbps			
Packet Forwarding Rate	14.88Mpps		8.94Mpps			
Mac Address Table	8k		2k			8k
Packet Buffer Memory	1.5Mb		2.4Mb			4.1Mb
Jumbo Frame	10240Bytes					
Protection Level	6kV Surge Immunity 6kV Air Discharge					

OTHERS

Certification	CE, FCC, RoHS					
Package Dimension	411×275×90 mm		270×220×67 mm			230×165×79mm
Switch Dimension	330×215×45 mm		160×130×34 mm			157×115×67mm
Gross Weight	2.68kg		1.56kg			1.49kg
Net Weight	2.3kg		0.73kg			1.3kg
Package Contents	1 x PoE Switch 1 x Power Cord 1 x Quick Installation Guide		1 x PoE Switch 1 x 24V 5A Power Adapter 1 x Power Cord 1 x Quick Installation Guide			1 x Industrial PoE Switch 1 x Temperature Sensor 1 x Screw Driver 1 x Quick Installation Guide
Working Temperature	-20℃~60℃					-40℃~80℃
Storage Temperature	-30℃~70℃					-40℃~80℃
Installation	Desktop					DIN-rail
Working Humidity	10%~90% RH non-condensing					5%~95% (Non-condensation)
Storage Humidity	5%~90% RH non-condensing					5%~95% (Non-condensation)

SOFTWARE FEATURES

	WI-PMS310GF-UPS+	WI-PMS310GF-UPS+ V2		WI-PMS306GF-UPS-I	
Spanning Tree	IEEE 802.1D -STP, IEEE 802.1w -RSTP, IEEE 802.1s -MSTP				
VLAN	Max 4K VLAN Groups, 802.1q Tagged VLAN, MAC-based VLAN, IP-based VLAN, Protocol-based VLAN, Selective QinQ, 802.1q-based VLAN, Voice VLAN				
Port	LACP, Jumbo Frame, Port Shutdown, Link Aggregation(Up to 8 aggregation groups and up to 8 ports per group), Port mirroring(One-to-One Many-to-One Tx/Rx/Both)				
Security	Standard IP-based ACL, Extended IP based ACL, MAC IP-based ACL, MAC ARP-based ACL, IPv6-based ACL, ACL Port Filtering, Time-based ACL				
QOS	Port-based (uplink and downlink traffic of a single port can be restricted), 802.1p-based Classification, Support WRR, SP, WFQ, DSCP-Based Classification, ACL-Based Classification				
L2 Multicast	IGMP Snooping V1/V2/V3, MLD Snooping, MVR				
IPv6	IPv4/IPv6 Dual Protocol Stack, IPv6 Neighbor Discovery, Support manual address configuration, stateless address auto-configuration and stateful address configuration obtained through DHCPv6 client, - IPv6 TFTP, IPv6 SNMP, ICMPv6, IPv6 Path MTU Discovery, IPv6 SSH, Tracert6				
Management	Web-based GUI, Command Line Interface (CLI) through console port, telnet,SSH, SNMPv1/v2c/v3 Trap/Inform RMON (1, 2, 3, 9)groups, Password Recovery, SNTP, System Log, 802.1ab LLDP/LLDP-MED, UDLD, Traceroute, Ping, CPU Monitoring, Firmware upgrade, Configuration export/import, Support SNTP based IPv4 and IPv6, DHCP/BOOTP Client				

Note: For model WI-PS306GF-UPS-15A, S+S- and V+V- can't be connected at the same time to avoid burning device.

CE FC RoHS ♲ UK CA ⚖

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