

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.

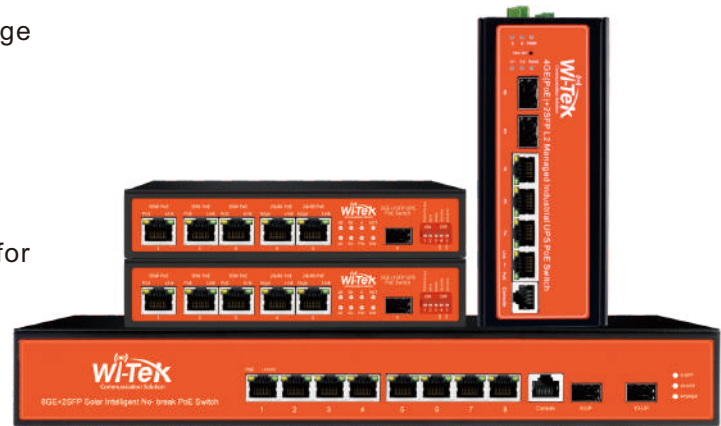
Features

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 WI-PMS310GF-UPS+ to know the power status of the battery and renewable energy. The WI-PMS310GF-UPS+ features the following special power 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.

Specifications



| Product | WI-PMS310GF-UPS+ | | WI-PS306GF-UPS | | WI-PS306GF-UPS-15A | WI-PMS306GF-UPS-I | |
|------------------------|--|--|---|--|---|---|--|
| HARDWARE VERSION | V1 | | V2 | V3 | | 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 1/2(+), 3/6(-) Passive 24V PoE 4/5(+), 7/8(-) | | Port 1: 802.3bt PoE 60W 1/2/4/5 (+), 3/6/7/8 (-) Port 2-3: 802.3af/at PoE 1/2(+), 3/6(-) Port 4-5: 802.3af/at PoE 1/2(+), 3/6(-) or Passive 24V PoE 2/4W 4/5(+), 7/8(-) | | | Port 1-2: 802.3bt PoE 60W 1/2/4/5 (+), 3/6/7/8 (-) Port 3-4: 802.3af/at PoE 30W 1/2 (+), 3/6(-) or Passive 24V PoE: 4/5(+), 7/8(-) | |
| 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 | For 12V Battery: DC 15-26V For 24V Battery: DC 30-36V | For 12V Battery: DC 15-32V For 24V Battery: DC 30-57V | | |
| Power Priority | Solar Power - AC - 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 | | | | |
| Battery Input | 24V 10A | 12/24V 20A | 12/24V 5A | | 12/24V 15A | | |
| 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 | | 235×167×80mm | | |
| Switch Dimension | 330×215×45 mm | | 160×130×34 mm | | 156×115×66mm | | |
| Gross Weight | 2.68kg | | 1.56kg | | 1.43kg | | |
| Net Weight | 2.3kg | | 0.73kg | | 1.28kg | | |
| 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 Screw Driver 1 x Quick Installation Guide | | |
| Working Temperature | -20°C~60°C | | | | | -20°C~80°C | |
| Storage Temperature | -30°C~70°C | | | | | | |
| Working Humidity | 10%~90% RH non-condensing | | | | | | |
| Storage Humidity | 5%~90% RH non-condensing | | | | | | |
| 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, Tracer6 | | | | | | |
| 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 | | | | | | |



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Technical Support



Cloud Management



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