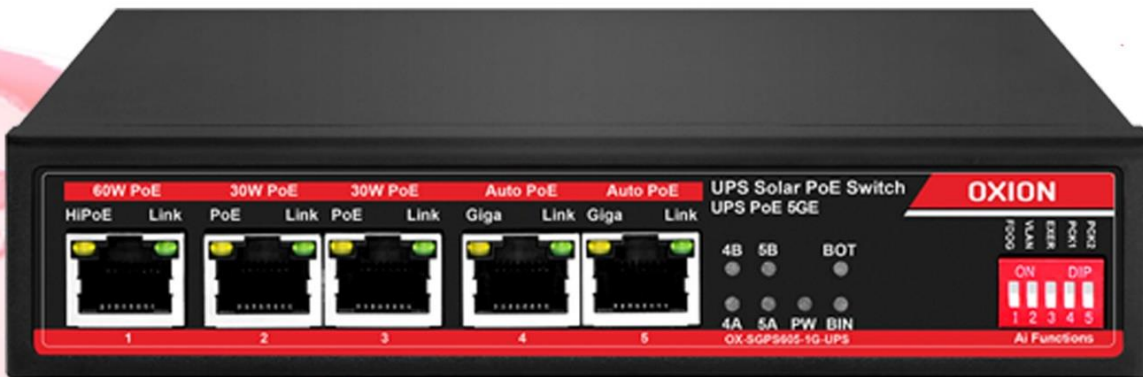


UPS Solar PoE Switch



Metal Case



Port Isolated



Compatible



Ai watchdog



Lightnig Protection

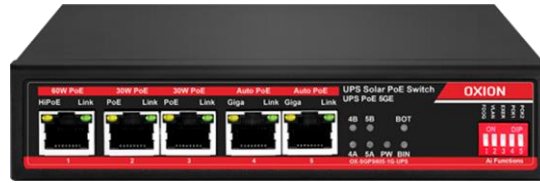
OX-SGPS605-1G-UPS

- 1*10/100/1000Base-TX 60W PoE port
- 2*10/100/1000Base-TX 30W PoE port
- 2*10/100/1000Base-TX auto PoE port

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www.i-oxion.com

UPS Solar PoE Switch 3GE PoE +2Auto GE PoE Switch



OX-SGPS605-1G-UPS is Having the features that power generation by solar energy, intelligent PoE power supply and control on auto charging and discharging, OXION 5+1 high-power solar energy charging switch can more effectively solve the network application and power supply demand in complicated environments such as in remote mountainous areas, scenic spots, network electricity off shore and outdoor construction etc.

Port Performance

- 1*10/100/1000Base-TX 60W PoE port (Data/Power)
- 2*10/100/1000Base-TX 30W PoE port (Data/power)
- 2*10/100/1000Base-TX auto PoE port (Data/power)
- 1 port : OXION AI HiPoE;output power MAX 60W
- 2,3 port: IEEE802.3af/at; output power MAX 30W,
- 4,5 port: OXION Auto AI PoE;supply power for 48Vor 24V devices; output power MAX25W
- 1-5 Port support PoE(first port
- 1-5 Port support PoE(first port output HiPoE_60W)output

Charging Function

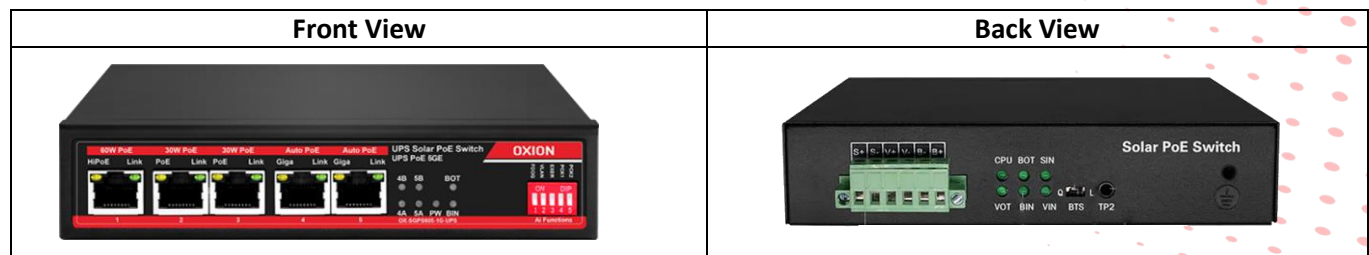
- Integrated fully automatic charging
- Integrated battery protection function
- Automatic Battery Voltage Recognition
- Integrated Lithium Battery Automatic Activation System
- Integrated Low Volume Start-up Protection System

Battery + Solar Panel Matching Usage

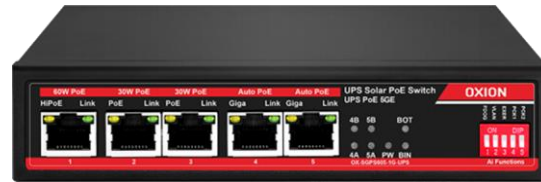
- 12V 100W solar panel+12V 15AH lithium battery:
(Charging time: 6.6H maximum, endurance time: 6H(30W loaded)+3H(60W loaded)).
- 12V 100W solar panel+12V 15AH lead-acid battery:
(Charging time:6.6H maximum, endurance time:6H(30W loaded)+3H(60W loaded)).
- 24V 100W solar panel+24V 15AH lithium battery:
(Charging time:6.6H maximum, endurance time:12H(30W loaded)+6H(60W loaded)).
- 24V 100W solar panel+24V 15AH lead-acid battery:
(charging time:6.6H maximum, endurance time:12H(30W loaded)+6H(60W loaded)).

Easy Operation

- One switch to shift the type of the battery, easy and operational.
- Support auto charging and discharging management; adopt intelligent CPU and OXION intelligent PSE, automatically detect 24V/48V devices.
- Professionally designed for complex power condition, new generation clean energy switch can completely solve the problems of network applications in complex scenes like power outage, instable voltage and outdoor operation.
- Easily achieve network transmission and power supply in application of intelligent street lamp, carrier base and etc.
- User can get known to the operation status of the switch with power indicator (PW), charging and discharging indicator (BOT/BIN), port status indicator, port input and output indicator (4A-5B) and system indicator (CPU).



UPS Solar PoE Switch 3GE PoE +2Auto GE PoE Switch

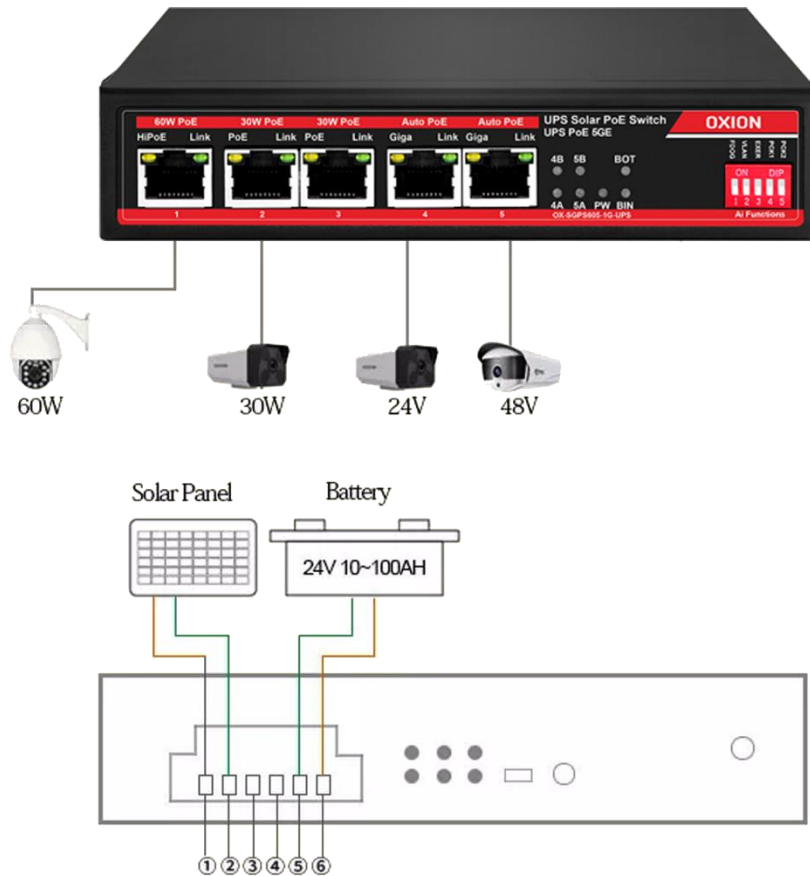


Model	OX-SGSP605-1G-UPS
Product	UPS Solar PoE Switch
Port	1*10/100/1000Base-TX 60W PoE port (Data/Power) 2*10/100/1000Base-TX 30W PoE port (Data/power) 2*10/100/1000Base-TX auto PoE port (Data/power)
PoE Port	1 port : OXION AI HiPoE;output power MAX 60W 2,3 port: IEEE802.3af/at; output power MAX 30W , 4,5 port: OXION AUTO AI PoE;supply power for 48Vor 24V devices; output power MAX25W 1-5 Port support PoE(first port output HiPoE_60W)
Function	Q_Lead acid battery mode+L_Lithium battery mode
Network Protocol	IEEE 802.3 IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X IEEE 802.3af/at/PoE++ OXION AI PSE
PoE Standard	IEEE802.3af/at/PoE++
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	12Gbps
Packet Forwarding	8.64Mpps

MAC Address	2K
Buffer	2.5M
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(150 meter) 1000BASE-TX : Cat6 or later UTP(150 meter)
Speed	Ethernet 10Mbps half-duplex, 20Mbps full-duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full-duplex Gigabit Ethernet 2000Mbps full-duplex
Power Pin	48V Power supply: 12+36- 24V Power supply: 45+78-
Power input	Support 12V solar panel input(≤33V) or with 12V batteries Support 24V solar panel input(≤44V) or with 24V batteries AC 100-240V 50/60HZ 0.8A MAX 60W; 12V/24V solar panel MAX 100W
Charging function	Integrated fully automatic charging Integrated battery protection function Automatic Battery Voltage Recognition Integrated Lithium Battery Automatic Activation System Integrated Low Volume Start-up Protection System
Battery	Supporting 12V or 24V lead-acid batteries MAX 50AH, 5A Supporting 12V or 24V lithium batteries MAX 50AH, 5A
Power Output	12V solar panel power MAX 400W; 24V solar panel power MAX 400W
LED Indicator	PW:Power LED BIN:Battery charging indicator BOT:Battery discharging indicator 4A-5A:Port 4-5 48V PoE ON light 4B-5B:Port 4-5 24V PoE ON light CPU:System operation LED VOUT:PoE output VOL normal indicator SIN:Solar panel input indicator VIN:DC input indicator

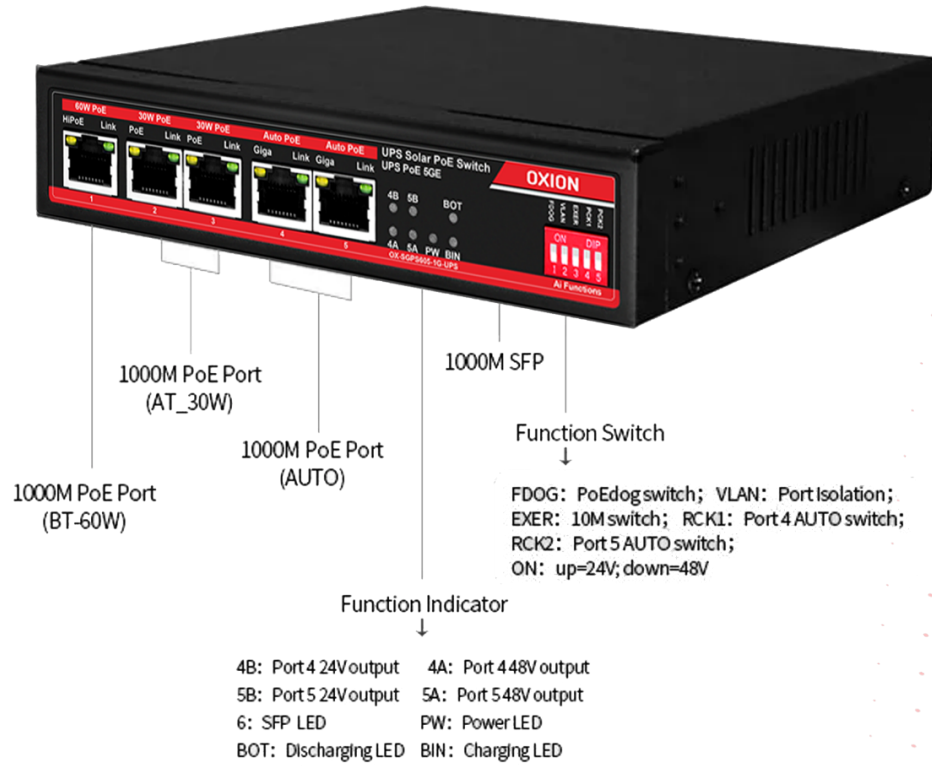
Power	Built-in power AC : 100 ~ 240V 50-60Hz 1A
Operating Temperature/Humidity	-20 ~ +65°C ; 10% ~ 90% RH Non coagulation
Storage Temperature/Humidity	-40 ~ +70°C ; 5% ~ 90% RH Non coagulation
Product size/Packing size (L*W*H)	158mm*142mm*35mm 300mm*175mm*100mm
N.W (kg)	0.7kg(solar panel,battery and power adapter excluded in the product)
Installation	Desktop
Lightning Protection level	3KV 8/20us ; IP30
Certificate	CE mark, commercial ; CE/LVD EN60950 ; FCC Part 15 Class B ; RoHS ;
Warranty	Whole device for 1 year(Accessory not included)

Connection Diagram



1. S+ Solar Positive Pole
2. S- Solar Positive Pole
3. V+ DC Positive Pole
4. V- DC Negative Pole
5. B+ Battery Positive Pole
6. B- Battery Negative Pole

Descriptions



S+: Solar Positive Pole S-: Solar Negative Pole
 V+: DC Positive Pole V-: DC Negative Pole
 B+: Battery Positive Pole B-: Battery Negative Pole

Function Indicator Schematic Diagram

CPU: System Operation LED 1/2S flickers: Battery Normal; 1/4S flickers: Battery Failure	BOT: Discharging LED 1/2S flickers: Battery power will run out	SIN: Solar Power Input LED 1/4S flickers: Solar power input abnormal
VOT: PoE Voltage Normal LED	BIN: Charging LED BIN: 1/2S flickers: Capacitance charging will be finished	VIN: DC Input LED 1/4S flickers: DC input voltage abnormal

PS: Please choose appropriate solar battery panel according to the type of the battery

Applications

