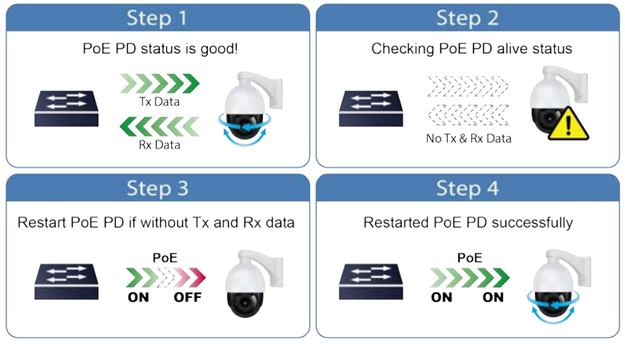
Smart and Intuitive LCD Monitoring

As the front panel of the BSP-115PV-15A provides an intuitive panel, you can check the current solar energy and battery statuses on the BSP-115PV-15A LCD screen. This easy operation can enhance the energy management efficiency of renewable PoE switches as the following special status functions are displayed :

- Solar input voltage and current power
- Battery voltage and current power
- PoE current power
- Battery remaining and remaining charging time
- Temperature and humidity information

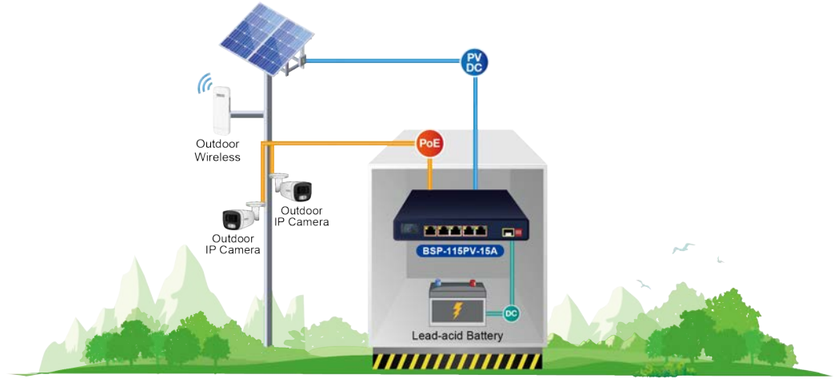
Intelligent Powered Device Alive Check

The BSP-115 Series can monitor connected PD status in real time via PD alive check function. Once the PD stops working and responding, the BSP-115 Series will resume the PoE power and bring the PD back to work. It will greatly enhance the network reliability through the PoE port resetting the PD's power source and reducing administrator management burden.



Off-grid Solar-based Power Supply for Wireless & Wired PDs

During the day, solar energy can power the communication system and charge the battery, and at night, the battery uses the excess electricity generated by solar energy during the day to power the communication system, which builds a zero-carbon, green and stable communication system without any external energy.



PLANET Networking & Communication

11F., No 96, Minquan Rd., Xindian Dist., New Taipei City 231, Taiwan (R.O.C.)
Tel: +886-2-2219-9518 Fax: +886-2-2219-9528 E-mail: sales@planet.com.tw

PLANET reserves the right to change specifications without prior notice. All brand names and trademarks are property of their respective owners. © PLANET Technology Corporation DM-SOLAR0126

PLANET Networking & Communication

www.planet.com.tw

Renewable Energy PoE Network Solution

The Benefits of Renewable Energy PoE Network Solution

Independent power for remote network

Reduce environmental impact

Intuitive remote network management

Intelligent Renewable Energy Management Controller

PLANET NMS-360 and NMS-360V-12 Renewable Energy Management Controllers provide a powerful and intuitive way to centrally monitor and manage the network and power usage.

- Detect up to 512 remote devices
- Real-time network status and energy usage
- PoE configuration
- Traffic logs compliant with SNMP, MQTT Protocol and PLANET Smart Discovery

NMS-360 Series Intuitive Management Interface

Device List | Dashboard | Device Information

Industry-leading Integration of PoE Technology and Renewable Power Systems

PLANET BSP-series Industrial Renewable Energy PoE Managed Switch/Router is designed for deploying surveillance and wireless networks in remote areas. The BSP-series can be charged by renewable energy which helps to economically power and manage IP cameras and APs, no matter how expansive the applications, such as dams, forests, deserts, national parks, animal protection areas and highways, etc., are.

- Charged by renewable energy (solar, wind, hydro, etc.)
- Smart battery management
- 120W/360W power budget
- Centrally manage 512 BSP-360 units with NMS-360

BSP-360

MPPT | 120W Budget | 400W Solar Panel

TAIWAN EXCELLENCE 2026

BSP-4215-6P2T2X

95W PoE++ | 360W Budget | 1200W Solar Panel | 10G Uplink

Wireless Connection for Outdoor Long-range Application

The new **2026 Taiwan Excellence Award-winning BSP-4215-6P2T2X** is the latest advancements that includes a patented MPPT Charging Management to maximize charging efficiency from renewable energy units. The AI PoE Management helps to regulate power and reduce carbon emissions. It features 10G SFP+ fiber-optic uplink capability, 95W PoE++ output for power intensive devices such as speed-dome camera with fan and heater, and supports cloud-based remote and central management.

- MPPT Charging Management
- AI PoE Management
- 10G SFP+ Fiber-optic Uplink
- 95W PoE++ Output

The **PLANET NMS-360 Series Renewable Energy Management Controller** enables users to remotely monitor the status of the BSP Series Switches in real-time, including:

- Green Power Status
- Average Power Usage
- Instant PoE Usage

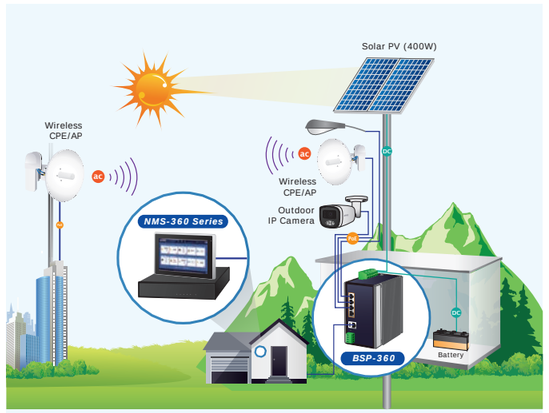
The **BSP-360's** built-in four 802.3at PoE ports allow the administrator to flexibly install PoE wireless APs in remote areas, without worrying about locating extra electric outlets.

- PoE Schedule & Management
- Low Voltage Protection & Alert
- 24V DC, 2A Output

AI PoE Management 10-year operation

CO_2 18.3 tons = Saving 30,000 kWh

BSP-4215-6P2T2X



Renewable Energy Management Controller		
Model	NMS-360	NMS-360V-12
Product Image		
Hardware Interface		
LCD	–	12" Touch Panel
HDMI	–	1 x HDMI
GbE Ethernet	5 x GbE LAN RJ-45	2 x GbE LAN RJ-45
USB	2 x USB 3.0	2 x USB 3.0
Serial	One RJ45 Console port	–
Watt	60W power adaptor (Level 6)	12": 29W
Software Feature		
Number of Managed Devices (BSP-360)	512	512
Number of IP cameras	2,048	2,048
• Dashboard • Setup Wizard • Node Discovery • Scalability	• Event Table • Alarm System • Site Map • User Control	• Remote PoE Control • Device Provisioning • App-like Device Viewing • Backup/Restoration/Read	• User Account Management
Network Services		
DDNS	Supports PLANET DDNS/Easy DDNS	
DHCP	Built-in DHCP Server for auto IP assignment to APs	
Management	SSL; Web browser (Chrome is recommended)	
	SNMP v1, v2c, v3	
Discovery	Supports SNMP, ONVIF and PLANET Smart Discovery	
Standards Conformance		
Regulatory Compliance	CE, FCC	
Standards Compliance	IEEE 802.3 10BASE-T	
	IEEE 802.3u 100BASE-TX	
	IEEE 802.3ab Gigabit 1000BASE-T	

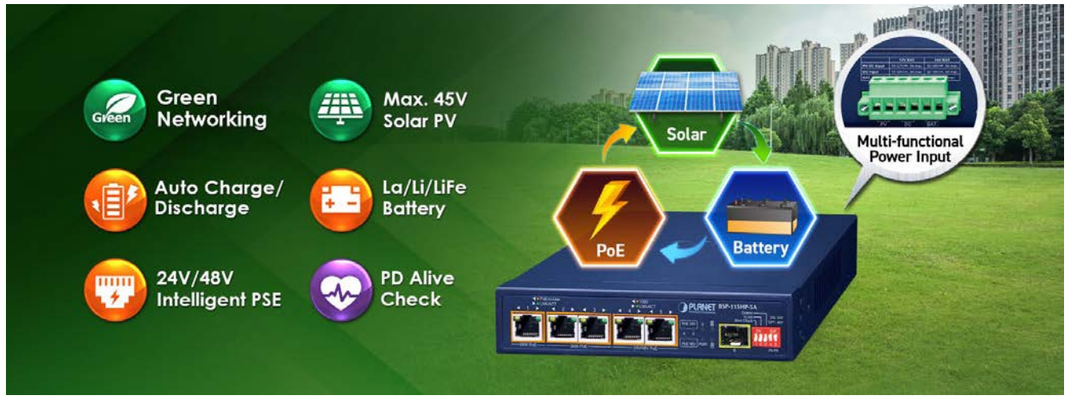
Renewable Energy PoE Switch/Router			
Model		BSP-360	BSP-4215-6P2T2X
Product Image			
LAN	10/100/1000	5	8
	10G SFP+	–	2
PoE	802.3bt PoE++	–	4
	802.3at PoE+	4	2
PoE Budget		120 watts	360 watts
PSE Type		End-span	End-span + Mid-span
PoE Power Pin		1/2(+), 3/6 (-)	1/2(-), 3/6 (+), 4/5(+), 7/8(-)
PoE Power Voltage		51V DC	54V DC
Management		Web/SNMP/MQTT	Console/Web/SNMP/MQTT
System Voltage/ Battery Requirement		24V DC	12V/24V DC
Power IN		Solar or turbines 24~45V DC	Solar or turbines 9~60V DC
Max. Charge Current		10A (40V 10A, 400W)	40V 20A, 800W
Battery Type		Lithium/Lead Battery	Lithium/Lithium iron/ Lead Battery
Features		* 24V DC, 2A output load * Battery current status * Low voltage protection & alert * PoE schedule and management	95-watt max. PoE output AI PoE Management 10Gbps Fiber ERPS Ring DI and DO

Note:
Check the total power consumption of your device and the sunshine duration of your area from weather bureau for a proper PV. Improper PV could shorten the battery life or provide insufficient power to Renewable Energy PoE Switch/Router.

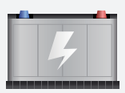
Unmanaged Solar PoE Switch (BSP-115 Series)

Industry-leading Integration of PoE Technology and Renewable Power System

- Incorporates **environmental, social, and governance (ESG)** principles.
- 12V/24V lithium, lead-acid or lithium-iron battery charged by BSP-115 series through renewable power.
- **Charged by renewable energy**: solar, wind, hydro, etc.
  - Continuously power PDs, such as wireless PoE APs and IP cameras
  - Zero-carbon solution



Multiple Battery Options for All Market Requirements



12V/24V

Lead-acid battery : cost-effective

Lithium-iron battery : combines high energy efficiency with durability

Lithium battery : higher energy density and lightweight

Temperature Sensor for Battery Protection

The BSP-115 series is equipped with a temperature sensor for battery protection. When the sensor detects the battery temperature reaching above 70~75 degrees C, the PoE high-current power supply will be stopped to cool down and protect the battery.

5-Port 802.3at PoE+ Solar PoE Switch with 1-Port 1000X SFP and LCD Display

BSP-115PV-15A

- Redundant PV/BAT power input ensures continuous operation
- Supports 20-27V solar panel input with 12V battery, and 32-45V solar panel input with 24V battery
- Supports 802.3af/at 35-watt PoE+ injector function
- Smart and intuitive LCD monitoring
- Compatible to lithium battery, lithium iron battery or lead-acid battery
- Total PoE power budget control and PD alive check support

5-Port Hybrid PoE Solar PoE Switch with 1-Port 1000X SFP

BSP-115HP-5A

- Redundant PV/DC/BAT power Input ensures continuous operation
- Supports 15-27V solar panel input with 12V battery, and 32-45V solar panel input with 24V battery
- Supports 802.3bt 60-watt PoE++ and 802.3at 35-watt PoE+ injector function
- Provides 24V and 48V PoE adaptive output
- Compatible with lithium battery, lithium iron battery or lead-acid battery
- Total PoE power budget control and PD alive check support