

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

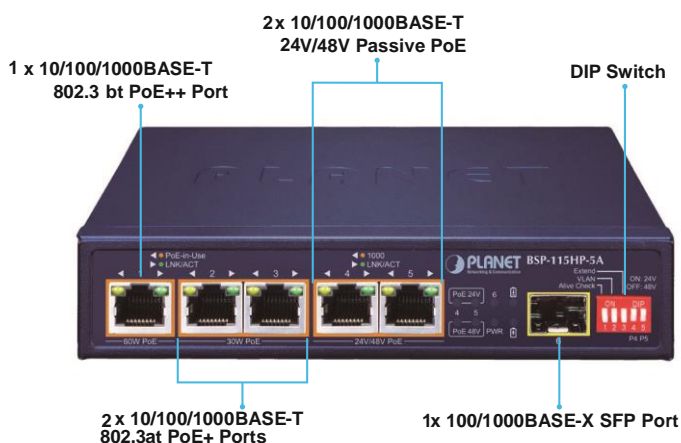


Industry-leading Integration of PoE Technology and Renewable Power System

PLANET's newly-launched Renewable Energy Industrial PoE Ethernet Switch, the BSP-115 Series, can be charged by the inexhaustible and natural source of energy, such as solar, wind and hydroelectric power to conserve energy so as to economically power these remote IP cameras and wireless APs.

The BSP-115 Series is equipped with 5 10/100/1000BASE-T copper ports supporting PoE injector function, a total PoE power budget of up to 65/120 watts and 1 extra 100/1000BASE-X SFP fiber port especially used for such expansive applications as dams, forests, deserts, national parks, nature/animal protection areas and highways. It is designed to efficiently handle power distribution for a versatile array of connected devices which meet the Environmental, Social, and Governance (ESG) principles. Leveraging cutting-edge IP-based technology, PLANET has transformed conventional Power Over Ethernet (PoE) into genuine networking devices that align with sustainable and responsible business practices.

■ BSP-115HP-5A (65W)Front Panel



Physical Port

- Five 10/100/1000BASE-T Gigabit RJ45 copper ports
- One 100/1000BASE-X SFP slot for SFP type auto detection

Power over Ethernet

- **Model: BSP-115HP-5A**
 - Port 1 supports 802.3bt 60-watt PoE++ injector function
 - Ports 2 to 3 support 802.3at 35-watt PoE+ injector function
 - Ports 4 to 5 support 24V (passive)/48V 802.3at PoE+ injector function
 - 65-watt PoE budget
- **Model: BSP-115PV-15A**
 - Up to 5 ports of IEEE 802.3at devices powered
 - Supports PoE power up to 35 watts for each PoE port
 - 120-watt PoE budget
- Complies with IEEE 802.3at Power over Ethernet Plus end-span PSE
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m in standard mode and 250m in extend mode
- PoE management
 - Total PoE power budget control
 - PD alive check

Smart LCD (For BSP-115PV-15A only)

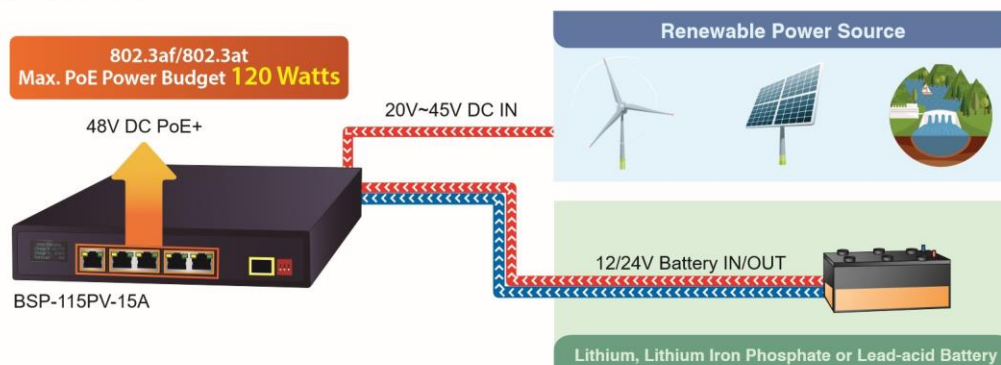
- Displays solar input voltage and current power
- Displays battery voltage and current power
- Displays PoE current power
- Displays battery remaining and remaining charging time
- Displays temperature and humidity information

Battery Management

- Battery type option: Lithium battery, lithium iron battery or lead-acid battery
- Easy diagnostic of the system operating status via LED indicator
- Current battery usage status
- Maximum Power Point Tracking Charge Controller (For BSP-115PV-15A)

Zero-Carbon and Stable Power Supply

The 12V/24V lithium, lead-acid or lithium iron battery gets recharged by way of the BSP-115 Series where solar power is sourced. Thus, the BSP-115 Series will keep powering PDs like wireless PoE AP without a cable and a wired camera connected to its port with a UTP cable. Its zero-carbon feature is made possible as the energy the unit gets is renewable. Most importantly, the operation of outdoor wireless IP-based surveillance can be continued into the night as the battery is charged during the day.



Multi-functional Solar PoE Switch that Supports PV, DC, and Battery Simultaneously

The Solar PoE Switch is a versatile device that supports simultaneous applications of solar (PV), DC (For BSP-115HP-5A only), and battery power. It utilizes advanced solar charging control technology, even the voltage is different from DC input. It efficiently converts solar energy into power and provides stable and reliable DC power supply. It is ideal for applications requiring eco-friendly and energy-efficient solutions, such as remote communication base stations, surveillance systems, and network cameras. Its flexible design not only reduces operational costs but also diminishes reliance on traditional energy sources, thereby reducing environmental impact. The Solar PoE Switch represents not just technological innovation but also a substantial contribution to sustainable development, offering the applications a more stable and dependable energy solution.



Smart Battery Management

The BSP-115 Series features the following special power management functions:

- Current battery usage status by percentage
- Over budget PoE port disconnection protection