

Industrial Solar Power PoE Switch

BSP-300



Presentation Outline

- ◆ **Product Overview**
- ◆ **Product Benefits**
- ◆ **Product Features**
- ◆ **Applications**
- ◆ **Comparison**



Green IP Networking
Industrial Solar Power PoE Switch

Day

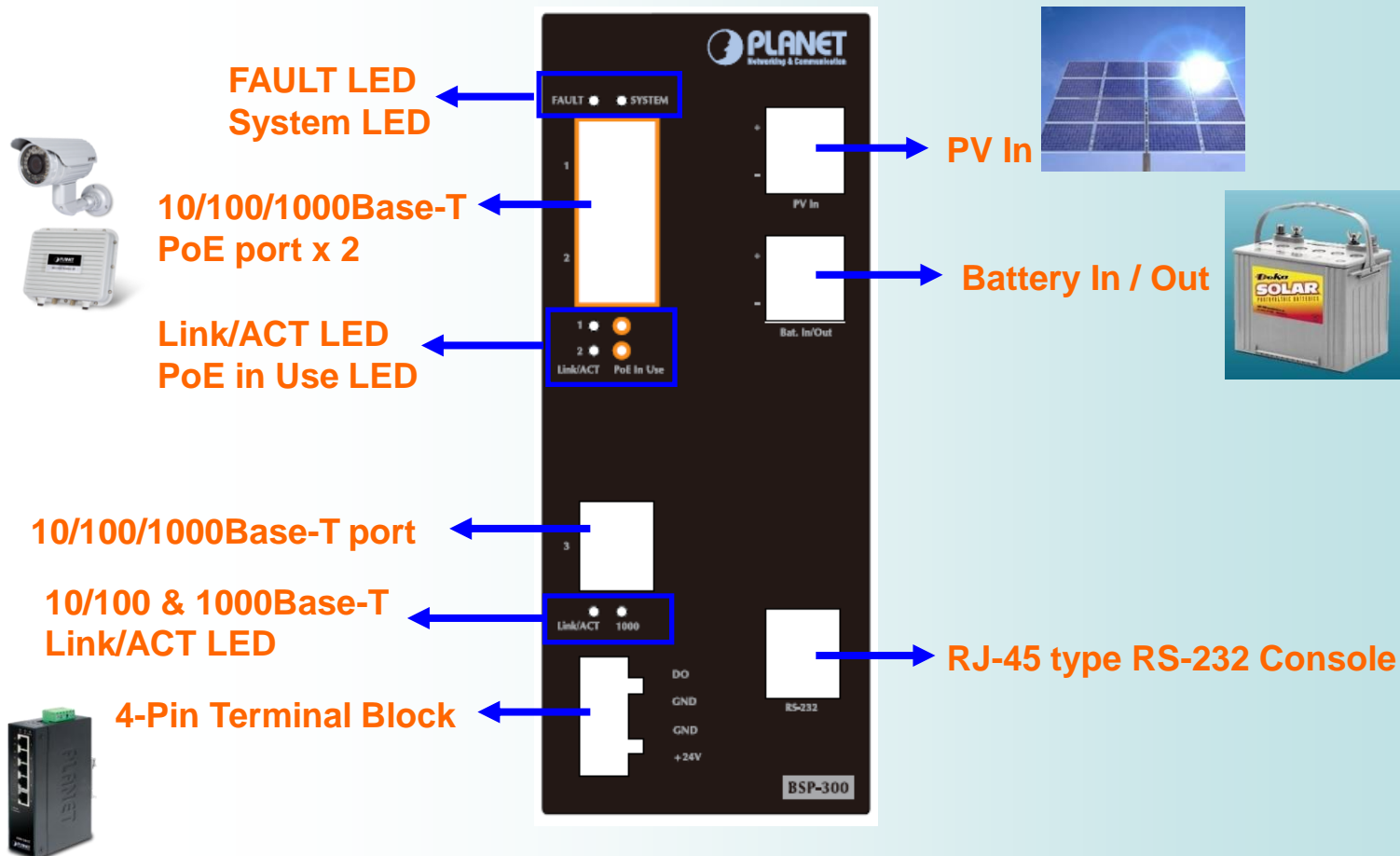
BSP-300 Battery

▶▶ BSP-300

The banner features a solar panel with orange lines representing energy flow, a sun icon labeled 'Day', and a device labeled 'BSP-300' connected to a 'Battery'. The text 'Green IP Networking' and 'Industrial Solar Power PoE Switch' is prominently displayed.

Product Overview

◆ Front Panel



Key Benefits

Non-polluting



Renewable



Low maintenance



Cost effective



Product Features

◆ Hardware

Dual IEEE802.3at / 802.3af Power over Ethernet interfaces

- Free the wiring for networking system installation, up to **100 meters** distance for both power and data transmission
- Enables **flexible installation of dual PoE** Wireless Access Point, Hot-spot Gateway or Surveillance system
- **IP 30** metal case protection / **DIN Rail** and **Wall-mount** Design

Pulse Width Modulation (PWM) Protection

- **Reverse current protection** to prevent the current circuits from flowing back to the PV panel
- **Over-current** and **Over-temperature** protection
- **Reverse polarity protection** (for battery and charging electrodes)
- **PWM** voltage output control at power load

Product Features

◆ System

Smart Power Management System

- Co-working with **300 watts** solar PV kit and battery, the BSP-300 empowers the connected PoE devices in the day time and charging the battery stably
- In the night time, the smart power system **monitors** and **empower** the client devices and helps to extend the battery life from charging and discharging
- **Easy diagnose** of the system operating status via **LED indicator**
- Parameter settings can be remotely configured through the computer



Product Features

◆ System

◆ Installation

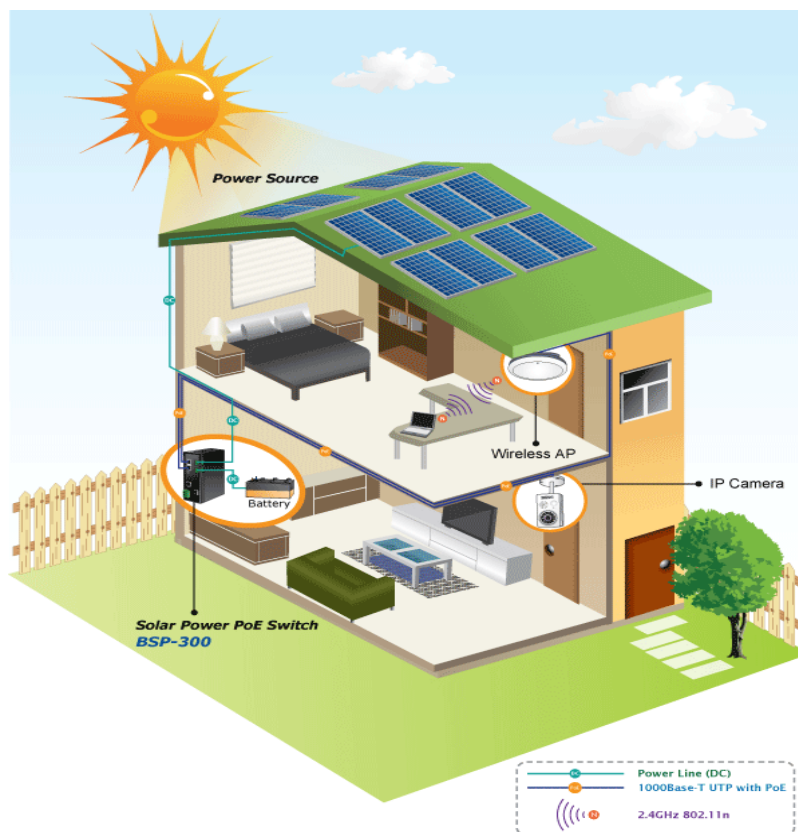
- Integrates with solar PV and battery for easy installation of PoE devices and enabling client devices **plug-and-play**
- Battery type options: **Nickel-cadmium battery**, **Lead-acid battery**



Product Features

◆ Plug and Play High Power PoE Network Deployment

For the increasing demand of network installation anywhere, the PLANET BSP-300 Industrial Solar Power PoE Switch now provides the ideal solution.



Product Features

- ◆ **Industry-leading integration of PoE technology and Solar Power System**

Through its two **IEEE 802.3at Gigabit High Power PoE** interface delivering power to wireless access points and IP cameras.



Product Features

◆ Zero-Carbon and Stable Power Supply

The BSP-300 delivers **zero-carbon** and **uninterruptible power supply** for continuous outdoor wireless and IP surveillance applications without the need of any cabling.



Product Features

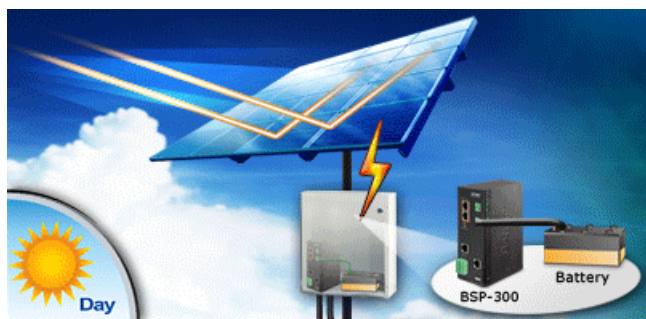
◆ Battery charging and discharging

The BSP-300 empowers the connected PoE devices in the day and night time from charging and discharging.

Charging

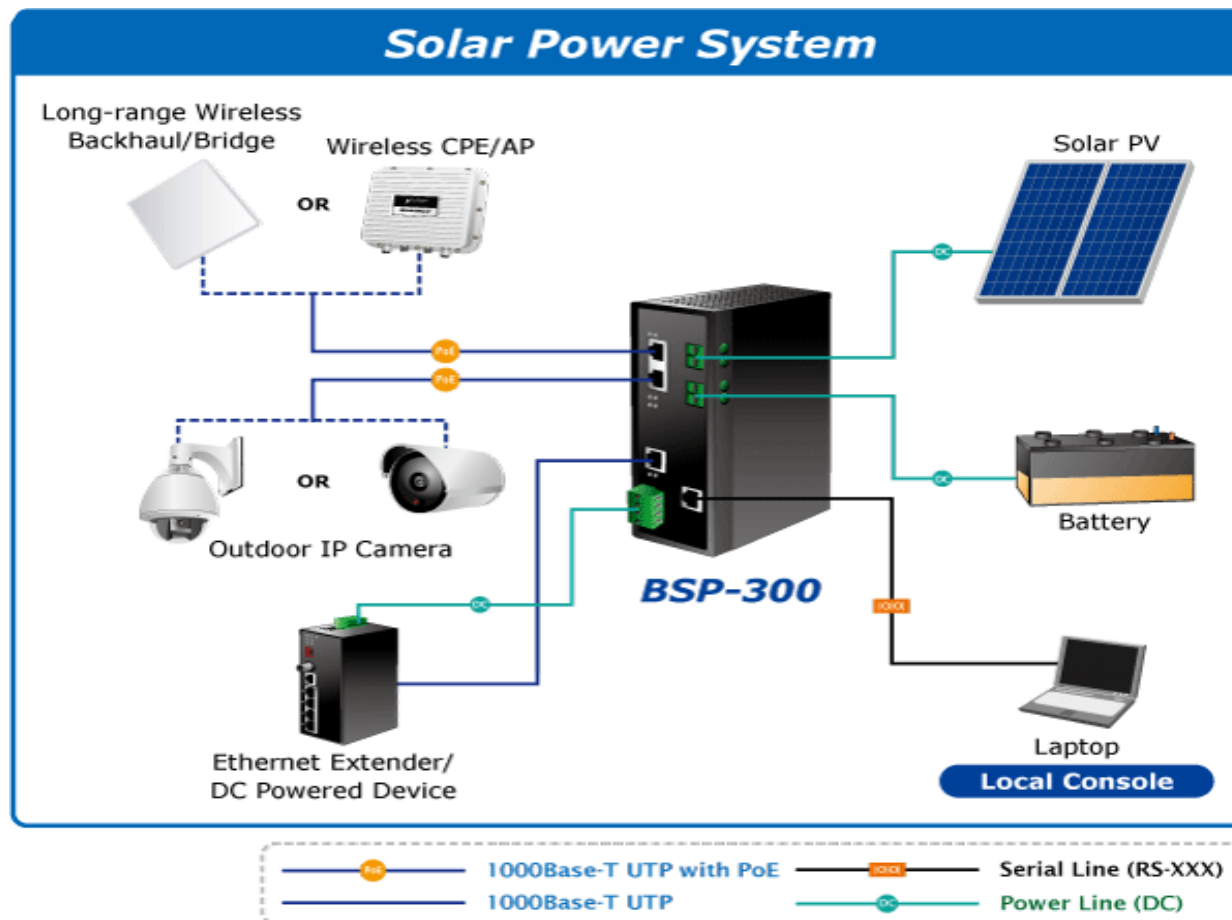


Discharging



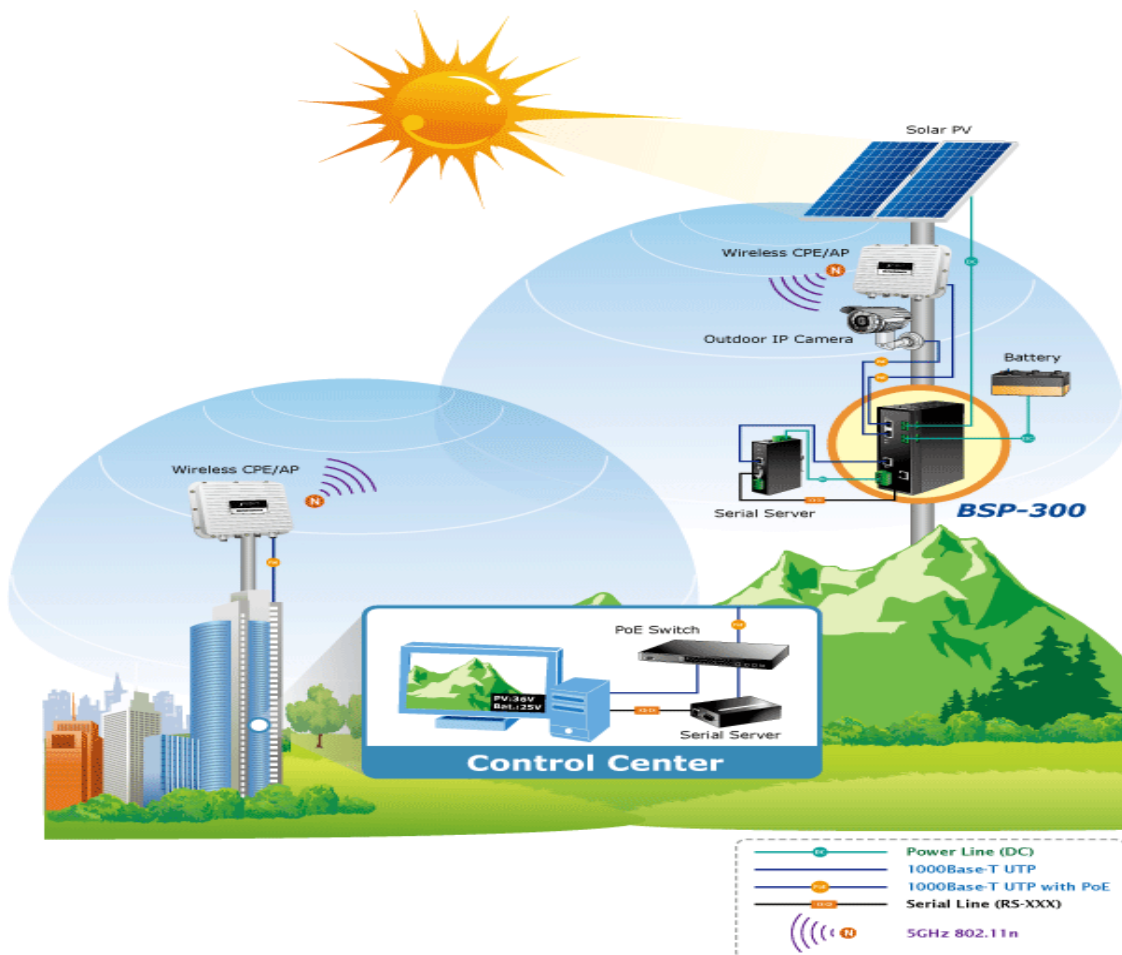
Applications

◆ Solar PoE Power Supply for Wireless Surveillance Solution



Applications

◆ Solar PoE Power Supply for Long Distance Wireless Surveillance Solution



Appendix - Sales Target

◆ Target Markets

- ✓ Solar Power System integrator
- ✓ Reseller
- ✓ SMB Office / Home Security



◆ Target Customers

- ✓ Who buys Outdoor Wireless AP
- ✓ Who buys Outdoor IP Camera



Appendix

◆ Ordering Information

Model Name	Description
BSP-300	Industrial Solar Power PoE Switch (2 PoE, 1TP)

◆ Related Outdoor IP Cameras

Model Name	Description
ICA-HM136	2 Mega-Pixel 20M IR Vandal Proof Dome IP Camera
ICA-HM316	2 Mega-Pixel Outdoor IR PoE IP Camera
ICA-HM317	2 Mega-Pixel PoE Plus Speed Dome Internet Camera
ICA-HM351	2 Mega-Pixel 35M IR Outdoor Box PoE IP Camera
ICA-HM620	2 Mega-Pixel PoE Plus Speed Dome Internet Camera
ICA-3350V	3 Mega-Pixel Vari-Focal Bullet IR IP Camera
ICA-5350V	3 Mega-Pixel Vandal Proof IR IP Camera
WNAP-7350	5GHz 300Mbps 802.11a/n Wireless Outdoor Access Point
IAP-2000PE	Industrial 802.11n Wireless Access Point
ELA-100	Ethernet Lightning Arrest Box
ICS-100	RS-232 over Fast Ethernet Media Converter
ICS-2100	Industrial RS-232/ RS-422/ RS-485 over Ethernet Media Converter



ACTIVATING IP POWER