



## Intelligent Solar Power Supply System

MODEL: VIGI SP6030



## Overview

With an efficient 60W solar panel and a 31.2Ah/10.8V high-capacity battery, this solar panel system delivers constant power to outdoor equipment such as network bridges and cameras. Perfect for areas where network and power deployment is tough, it eradicates wiring hassles and cuts investment costs.

## Highlight

### High-Efficiency Solar Panel

Improves the conversion efficiency of light with a Grade-A monocrystalline silicon solar panel, ensuring a long lifespan of at least 25 years.

### Smart Battery Delivers Optimal Performance

The built-in smart battery supports intelligent auxiliary heating technology, which allows the battery to operate normally across a wide temperature range.

### High System Stability, All-Weather Operation

The horizontal mount is made of high-quality SGCC galvanized steel with increased strength, anti-corrosion, and rust resistance. The solar panel is fringed with high-quality aluminum, and 3.2mm tempered glass covers the surface to increase impact resistance.

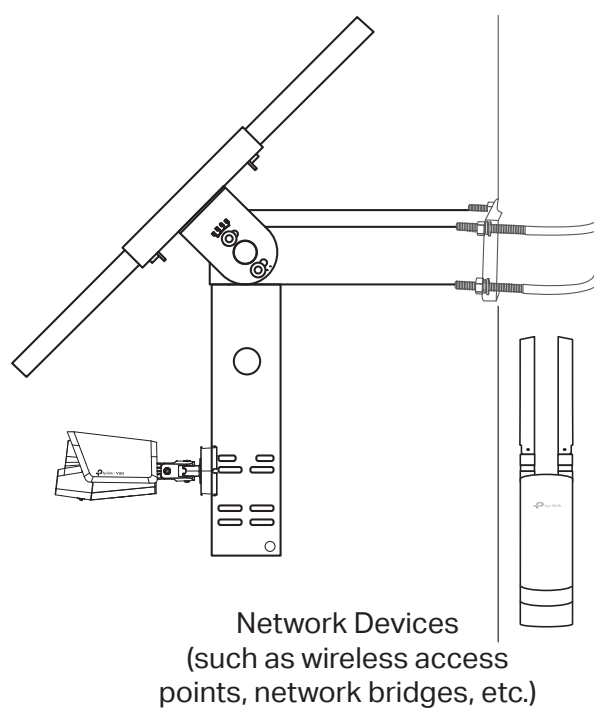
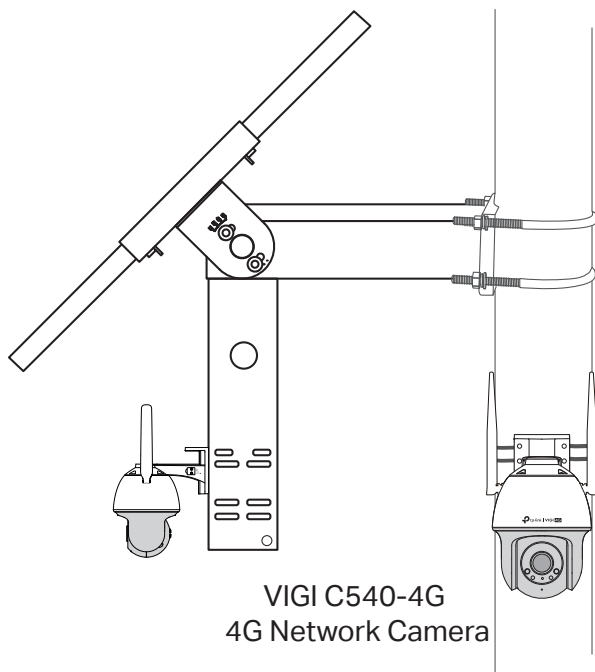
### IP66 Weatherproof

Ensures reliable performance even in harsh environments with rain and dust, reducing subsequent maintenance costs.

### Remote Management

Monitor power statistics, get instant intrusion and low-battery alerts, update firmware, and reboot the system via the mobile app. The smart controller conducts real-time self-diagnostics and auto-restarts upon detecting faults, eliminating manual onsite troubleshooting. Enjoy peace of mind, no matter your location.

## Network Topology



# Specifications

|                                       |                                                                         |
|---------------------------------------|-------------------------------------------------------------------------|
| Intelligent Solar Power Supply System |                                                                         |
| Product Model                         | VIGI SP6030                                                             |
| Solar Panel (Photovoltaic Panel)      |                                                                         |
| Power                                 | 60W                                                                     |
| Voltage                               | 18V                                                                     |
| Dimension                             | 690×516×30 mm (27.2×20.3×1.2 in)                                        |
| Angle Adjustment (Manual)             |                                                                         |
| Angle Adjustment (Manual)             | 5°/15°/25°/35°/45°/55°                                                  |
| Battery                               |                                                                         |
| Type                                  | Lithium                                                                 |
| Intelligent Auxiliary Heat            | Yes                                                                     |
| Voltage                               | 10.8V                                                                   |
| Capacity                              | 31.2Ah                                                                  |
| Max. Output Voltage                   | 12.6V                                                                   |
| Life                                  | More than 500 cycles                                                    |
| Dimension                             | 242×70×65 mm (9.5×2.8×2.6 in)                                           |
| Charging Condition                    | 0°C~45°C<br>-30°C~45°C (With intelligent auxiliary heating)             |
| Discharging Condition                 | -20°C~60°C<br>-30°C~60°C (With intelligent auxiliary heating)           |
| Indicator LED                         |                                                                         |
| Quantity                              | 4                                                                       |
| Color                                 | Blue                                                                    |
| Description                           | 1*SYS Indicator<br>1*LAN Indicator<br>1*PV Indicator<br>1*BAT Indicator |
| Interface                             |                                                                         |
| Interface                             | 1*10/100M RJ45, 1*Photovoltaic Panel Connector                          |
| Load Interface                        | #1, #2: 9V-12.6 VDC/2A, #3: 12 VDC/2A<br>3* 5.5mm DC Power Plugs        |

## Software Feature

|                                     |           |
|-------------------------------------|-----------|
| Load Control                        | Yes       |
| High and Low Temperature Protection | Yes       |
| Overdischarge Protection            | Yes       |
| Power Consumption Statistics        | Yes       |
| Displays Real-time Load Status      | Yes       |
| Battery Level Display               | Yes       |
| Time Zone Selection                 | Yes       |
| Region Selection                    | Yes       |
| Schedule Saving                     | Yes       |
| Firmware Remote Update              | Yes       |
| Remote Reboot                       | Yes       |
| Local LAN Management                | Yes       |
| Smart Charging control              | -30°C-5°C |
| Account Management                  | Yes       |
| Remote Reset                        | Yes       |
| Remote Message Push                 | Yes       |

## General

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Certification            | CB, PSE (Battery)<br>CE, FCC, VCCI, IC, IP66                              |
| Compatible Pole Diameter | Ø3.1-4.7 in (Ø80-120 mm)                                                  |
| Operating Temperature    | -30°C-60°C (With intelligent auxiliary heating)                           |
| Operating Humidity       | 10%~90%RH, Non-condensing                                                 |
| Package Size             | 800×615×225 mm (31.5×24.2×8.9 in)                                         |
| Weight                   | 14kg                                                                      |
| Package weight           | 15.5kg                                                                    |
| Package Contents         | Quick Start Guide<br>Waterproof Cable Attachments<br>Mounting Accessories |

## Dimensions

