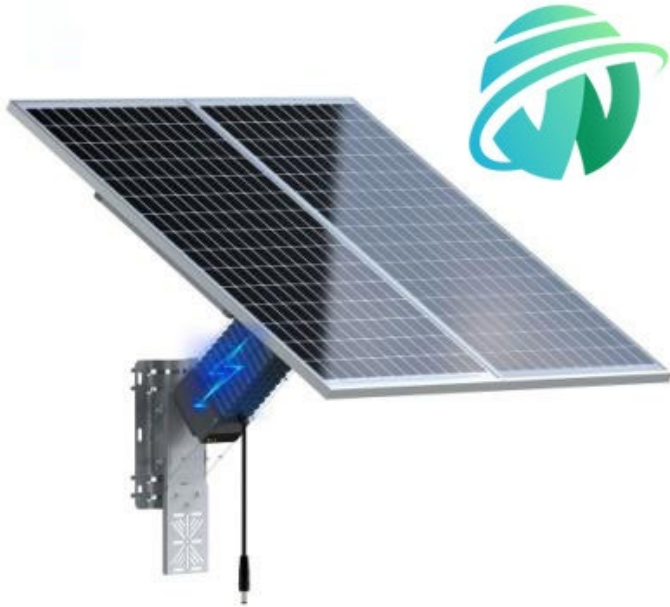


Webpliance Solar Stations



Webpliance Solar Power Stations

Power Independence, Connectivity Assurance!

Solar Power Stations 120W-200W Solar Energy

System Panel 12.8V 30Ah-100Ah Battery POE

Sensor Solar Power Station - Full System

In locations where traditional power sources or internet connections are absent or unreliable, Webpliance offers an innovative solution. Our solar-powered stations bring surveillance and connectivity to the most remote and challenging locations, ensuring that your power needs are met without compromise.

When implemented with our CCTV cameras, Webpliance Solar Powered Units redefine the boundaries of surveillance, bringing security to places once deemed impossible. Embrace the future of eco-friendly, adaptable, and resilient security solutions with Webpliance.

Applications

Can be used with 4G camera monitoring, outdoor CCTV, outdoor audio, outdoor speakers, Wifi router or 4G router, IoT Sensor, etc.

Remote Construction Sites: Monitor activity, equipment, and materials even in off-grid construction locations.

Agricultural Lands: Keep an eye on crops, livestock, and equipment in vast farmlands.

National Parks & Wildlife Areas: Observe wildlife and ensure the safety of visitors without disturbing natural habitats.

Entrance and Exits License Plate Recognition

Cameras: Enhance the security of your business locations and communities with license plate cameras without the hassle of electrical installations.

Parking Lots: Enhance the security of open spaces without the hassle of electrical installations.

Temporary Events: Ideal for political, festivals, concerts, speeches, camps, fairs, and other short-term events where permanent infrastructure is impractical.

SOLAR POWER STATIONS:

Common to all Solar Power Stations:

- **Product Name:** Solar Power Station
- **Brand Name:** Webpliance
- **Solar Panel Materials:** Monocrystalline silicon
- **Waterproof:** IP65
- **Output:** DC 5521 connector, 5V/10A power output, 12V/6 A power output, 24V/4A power output, and 48V/2A power output
- **Applications:** Can be used with 4G/5G camera monitoring, outdoor CCTV, outdoor audio, outdoor speakers, Wifi router or 4Grouter, IoT Sensor
- **Batteries:** LiFePO4 12.8V
- **Controller:** 50A Thunderbolt Protection, Anti-Short Circuit BMS, MPPT+PWM Main Board, Working Temperature: -8-50°
- **Warranty:** Two Years
- **Installation:** Quick Installation IP67

MODEL#: WP-S-T120-AH30

- **Battery Power:**
 - **Battery:** 30Ah 12.8V 384Wh
 - **Arm Gross Weight:** 13.5KG (29.76241 lbs)
 - **Charging Time:** 4-6 hours
- **Solar Panels:**
 - **Panels Wattage:** 120W
 - **Panel Size:** 625*510*20mm*2
 - **Panel Gross Weight:** 12.1KG (26.67593 lbs.)

MODEL#: WP-S-T160-AH40

- **Battery Power:**
 - **Battery:** 40Ah 12.8V 512Wh
 - **Arm Gross Weight:** 14.5KG (31.96703 lbs.)
 - **Charging Time:** 4-6 hours
- **Solar Panels:**
 - **Panels Wattage:** 160W
 - **Panel Size:** 920*510*20mm*2
 - **Panel Gross Weight:** 14.2KG (31.30564 lbs.)

MODEL#: WP-S-T200-AH50

- **Battery Power:**
 - **Battery:** 50Ah 12.8V 640Wh
 - **Arm Gross Weight:** 15.5KG (34.17165 lbs.)
 - **Charging Time:** 4-6 hours
- **Solar Panels:**
 - **Panels Wattage:** 200W
 - **Panel Size:** 1040*510*20mm*2
 - **Panel Gross Weight:** 16KG (35.274 lbs.)

MODEL#: WP-S-T200-AH80

- **Battery Power:**
 - **Battery:** 80Ah 12.8V 10240Wh
 - **Arm Gross Weight:** 18.5KG (40.7855 lbs.)
 - **Charging Time:** 6-8 hours

- **Solar Panels:**
 - **Panels Wattage:** 200W
 - **Panel Size:** 1040*510*20mm*2
 - **Panel Gross Weight:** 16KG (35.274 lbs.)

MODEL#: WP-S-T200-AH100

- **Battery Power:**
 - **Battery:** 100Ah 12.8V 12800Wh
 - **Arm Gross Weight:** 21.5KG (47.399 lbs.)
 - **Charging Time:** 8-10 hours
- **Solar Panels:**
 - **Panels Wattage:** 200W
 - **Panel Size:** 1040*510*20mm*2
 - **Panel Gross Weight:** 16KG (35.274 lbs.)

Additional Information

Solar Panel: 120W or 200W Solar Panels

The main difference between a 120-watt (W) solar panel and a 200-watt (W) solar panel is their power output capacity, which is determined by the amount of electricity they can generate under standard test conditions.

Here's a breakdown of the key differences:

1. **Power Output:** - A 120W solar panel is rated to produce a maximum output of 120 watts of electrical power when exposed to full sunlight under standard test conditions. A 200W solar panel, on the other hand, is rated to produce a maximum output of 200 watts of electrical power under the same conditions.
2. **Size and Dimensions:** - Typically, a 120W solar panel will be physically smaller and have smaller dimensions compared to a 200W panel. The size of a solar panel is often proportional to its power output, so a higher-wattage panel will generally be larger.

3. **Weight:** - A 200W solar panel is likely to be heavier than a 120W panel due to the additional solar cells and materials required to generate the higher power output.
4. **Cost:** - Generally, higher-wattage solar panels are more expensive than lower-wattage panels of the same brand and quality. This is because they can generate more electricity and are considered more efficient.
5. **Installation Space:** - A higher-wattage panel can produce more electricity from a given amount of sunlight, which means you may need fewer 200W panels to achieve your desired power output compared to 120W panels. This can be advantageous if you have limited installation space.
6. **Application:** - The choice between a 120W and a 200W panel may depend on your specific energy needs and the available space for installation. If you have higher energy requirements, the 200W panel may be a better fit, while the 120W panel can be suitable for smaller applications or as part of a larger solar array.

Battery: 30Ah - 100Ah

Optional Capacity Upgrades: Increasing the battery capacity from 30 ampere-hours (Ah) to Up-to-100 ampere-hours will provide several advantages in a solar power system or any application where batteries are used.

Here are the key benefits of upgrading to a higher capacity battery pack:

1. **Increased Energy Storage:** The most significant advantage is the increase in energy storage capacity. A 100Ah battery can store more energy compared to a 30Ah battery. This means you can power your devices and

appliances for a longer duration before needing to recharge the battery.

2. **Extended Backup Time:** If you're using the battery as a backup power source during outages, a higher capacity battery will provide you with an extended backup time. This is especially important if you rely on the battery for essential equipment or appliances.
3. **Support for More Devices:** With a larger battery capacity, you can power and support more devices simultaneously. This is useful in off-grid or remote applications where multiple devices, lights, or appliances need to be powered.
4. **Reduced Discharge Depth:** Larger capacity batteries allow you to discharge them to a lesser percentage of their capacity, which can extend the battery's lifespan. Shallower discharge cycles can help prolong the battery's overall life.
5. **Improved Efficiency:** Larger batteries tend to be more efficient in terms of energy storage per unit of space and weight. This can be beneficial for applications where space and weight considerations are important.
6. **Less Frequent Charging:** A 100Ah battery will require less frequent recharging compared to a 30Ah battery, which can be more convenient and reduce the need for constant monitoring and maintenance.
7. **Compatibility with Larger Solar Arrays:** If you have a solar power system, a higher capacity battery can better match the energy generated by your solar panels, reducing the risk of overcharging the battery and maximizing the utilization of the generated solar energy.
8. **Flexibility and Versatility:** A larger battery capacity provides more flexibility and versatility

in your power setup. It can handle unexpected increases in power demand and allow you to adapt to changing energy needs.

Notice: It's important to note that while upgrading to a higher capacity battery has these advantages, you should also ensure that the charging system, including the solar charge controller, is appropriately sized to handle the increased capacity. Additionally, consider factors like the physical size and weight of the battery, as larger batteries may require more space and could be heavier to transport and install.

SPECIFICATIONS

Camera Type	IP
Form Factor	PTZ
Brand	Webpliance
Product Name	Solar Power Station
Solar Panel Material	Monocrystalline silicon
Waterproof	IP65
Output	DC 5521 connector, 5V/10A power output, 12V/6 A power output, 24V/4A power output, and 48V/2A power output
Applications	Can be used with 4G/5G camera monitoring, outdoor CCTV, outdoor audio, outdoor speakers, Wifi router or 4Grouter, IoT Sensor

SPECIFICATIONS

Batteries	LiFePO4 12.8V
Controller	50A Thunderbolt Protection, Anti-Short Circuit BMS, MPPT+PWM Main Board, Working Temperature: -8-50°
Warranty	1 Year
Installation	Quick Installation IP67