

## IP65 120W solar power supply system with lithium battery

### IP65

- Solar power supply system
- High efficiency monocrystalline solar panel
- High capacity lithium battery, long life and fast charging
- No need for wiring, autonomy of 360 days in places with light
- Water resistant with IP65 protection.



#### Reference / Model

VESTA-443 / VESTA-443

#### Extended autonomy without wiring

Operates up to 360 days with available light

Ideal for remote environments without electrical infrastructure

#### Advanced energy efficiency

Monocrystalline solar panel with greater than 20% conversion rate

Excellent charging performance even on cloudy or rainy days

#### High-capacity, durable battery

12.8V/60Ah lithium battery with extended cycle life

MPPT tracking system for optimal charging

#### Robust and functional design

High-strength and durable aluminum frame

Unique technology to prevent deformation and withstand extreme snow and wind loads

#### Superior weather resistance

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Reference / Model	VESTA-443 / VESTA-443
IP65 rating to ensure protection against water and dust	
High-transmittance tempered glass resistant to heavy rain and hail	
<b>Wide and versatile applications</b>	
Monitoring in urban, agricultural and industrial areas	
Forest fire prevention, border and construction site surveillance	
Ideal use in rural, remote areas and sustainable development projects	
<b>Technical Specifications</b>	
Maximum power: 120W (1000W/m <sup>2</sup> standard illumination test conditions)	
Open circuit voltage: 22V DC	
Maximum current: 6.66A	
MPPT (maximum input power tracking algorithm) solution with constant voltage output	
Battery capacity: 12.8 V /60 Ah (768 Wh)	
LED charge status indicator	
Charging voltage: 15V ~ 18V DC	
Maximum charging current: 6 A	
Output voltage: 12V DC (±0.2)	
Maximum output current: 3 A (total of 2 outputs)	
Battery pack overcharge voltage: 14.6V DC	
Battery pack over-discharge voltage: 10V DC	
Input interface: Aviation photovoltaic plug	
Output interface: Standard DC5.5mm diameter male plug, total 2 outputs	
Power consumption 0.5±0.1W (normal temperature, no load when power is on)	
Storage temperature: 0°C ~ +45C	
Operating temperature under load: -10°C ~ +50°C	
Discharge operating temperature: -10°C ~ +60°C	
Solar panel dimensions: 670 x 910 x 25 mm	

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Battery dimensions: 650 x 96 x 81 mm (650 x 96 x 81 mm)

Solar panel weight: 9.6 kg (including bracket)

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