

IP65 60W 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-441 / VESTA-441

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/30Ah lithium battery with extended life cycle

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-441 / VESTA-441
	IP65 rating to ensure protection against water and dust
	High-transmittance tempered glass resistant to heavy rain and hail
	Wide and versatile applications
	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
	Technical Specifications
	Maximum power: 60W (1000W/m ² standard illumination test conditions)
	Open circuit voltage: 22V DC
	Maximum current: 4.4A
	MPPT solution (maximum input power tracking algorithm) with constant voltage output
	Battery capacity: 12.8 V /30 Ah (384 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 ~ +45°C
	Operating temperature under load: -10°C ~ +50°C
	Discharge operating temperature: -10°C ~ +60°C
	Solar panel dimensions: 670 x 530 x 25 mm

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Battery dimensions: 500 x 98 x 83 mm (1.5 x 98 x 83 mm)

Solar panel weight: 4.2 kg (incl. bracket)

Battery weight: 6.5 kg