tp-link | VIGI

Datasheet
Security Never Shuts Down

Intelligent Solar Power Supply System*

MODEL: VIGI SP18090



*Intelligent Solar Power Supply System consists of three parts:
VIGI Solar Panel, VIGI System Controller, 180W Solar Mount.

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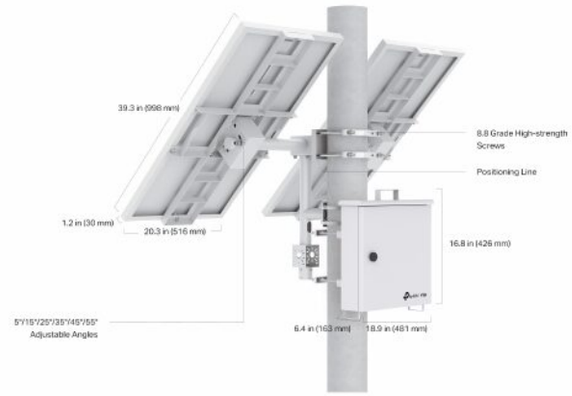
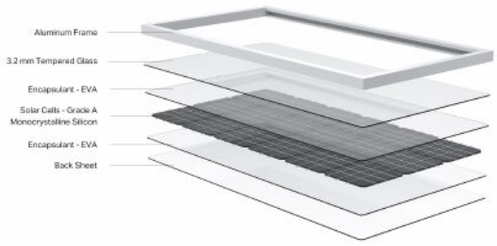
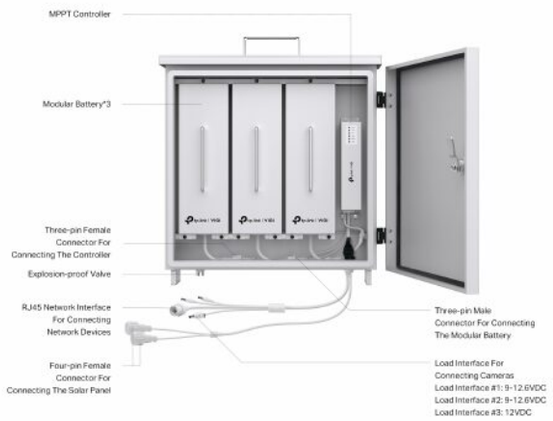
//Build Features









*Installation tools such as screwdrivers and rolling tape will not be provided.

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Specifications

Solar Panel (Photovoltaic Panel)		
Hardware	Power	180 W (90 W per panel)
	Voltage	18 V
	Dimensions (L x W x H)	39.3×20.3×1.2 in (998×516×30 mm)
	Weight	• Product Weight: 5.6 kg • Package Weight: 8.9 kg
Others	Certification	CE, IP67 Weatherproof
	Package Contents	VIGI Solar Panel, Quick Start Guide
	Environment	• Operating Temperature: -30°C-60°C (With intelligent auxiliary heating) • Operating Humidity: 10%~90%RH, Non-condensing
VIGI Solar System Controller		
Battery	Type	Lithium
	Intelligent Auxiliary Heat	Yes
	Battery Capacity	93.6Ah (Max),31.2Ah (Per Lithium Battery)
	Voltage	10.95 V
	Max. Output Voltage	12.6 V
	Life	More than 500 cycles†
	Dimension	• 9.4×2.9×2.8 in (240×74×72 mm) (Per Lithium Battery)
	Charging Condition	• 0°C to 45°C (32 °F to 113 °F) • -30°C to 45°C (-22 °F to 113 °F) (With intelligent auxiliary heating)
	Discharging Condition	• -20°C to 60°C (-4 °F to 140 °F) • -30°C to 60°C (-22 °F to 140 °F) (With intelligent auxiliary heating)

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Hardware	Interface	• 1× Three-pin Female Connector For Connecting The Controller • 1× Three-pin Male Connector For Connecting The Modular Battery • 2× Four-pin Female Connectors For Connecting The Solar Panel • 1× 10/100 Mbps RJ45 • 3× 5.5mm DC Power Plugs (#1, #2: 9V-12.6 VDC/2A, #3: 12 VDC/2A)
	Indicator LED	• Quantity: 6 (1× SYS Indicator, 1× LAN Indicator, 1× PV Indicator, 3× BAT Indicator) • Color: Blue
Software	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
	Schedule Saving	Yes
	Firmware Remote Update	Yes
	Remote Reboot	Yes
	Local LAN Management	Yes
	Smart Charging Control	-30 °C to 5 °C (-22 °F to 41 °F)
	Account Management	Yes
	Remote Reset	Yes
	Remote Message Push	Yes

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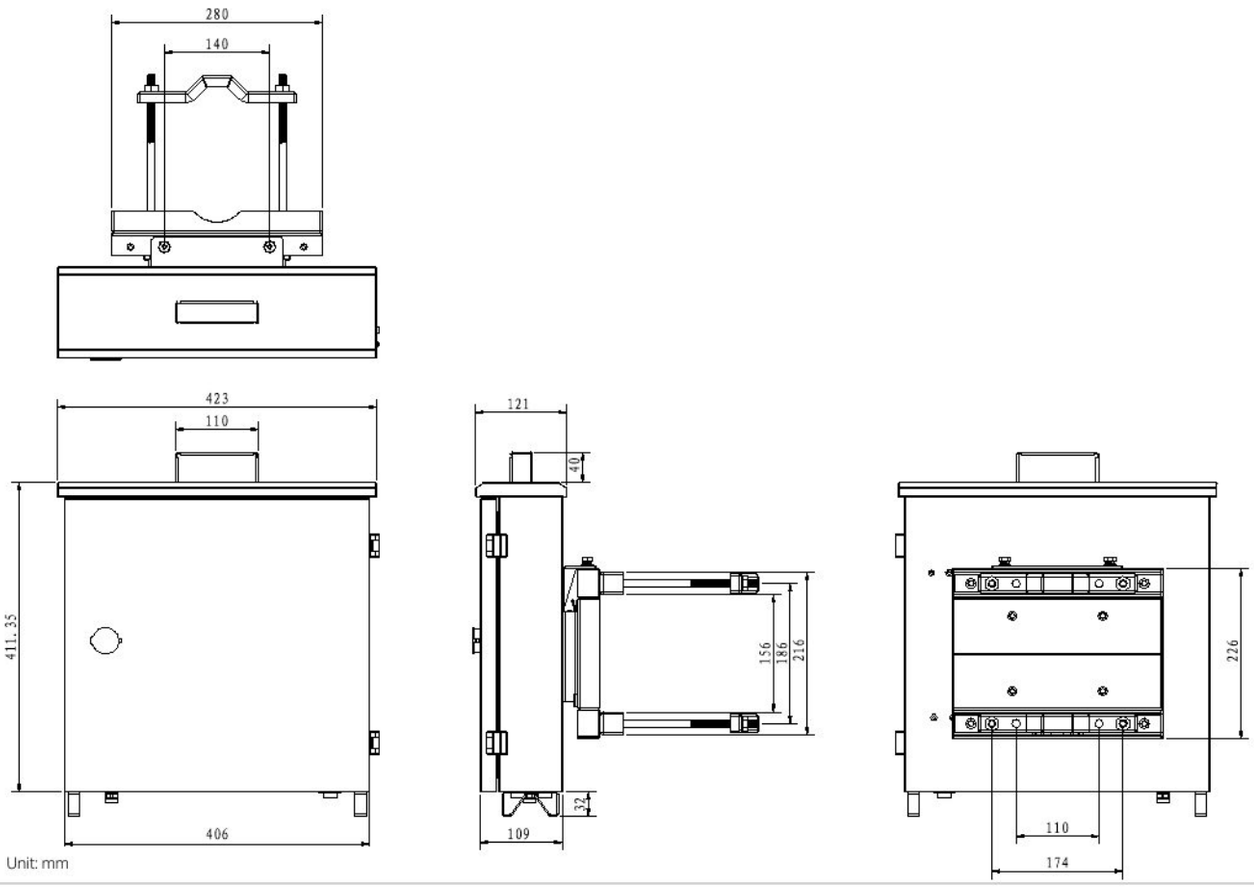
Others	Box Dimensions (W X D X H)	18.9×16.8×6.4 in (481*426*163 mm)
	Weight	• Product Weight: 16.5 kg • Package Weight: 24 kg
	Compatible Pole Diameter	Ø3.1-6.3 in (Ø80-160 mm)
	Package Contents	• VIGI PS90 • Installation Guide • Waterproof Cable Attachments • Mounting Accessories • Extension Cable • Box Key
	Environment	• Operating Temperature: -30°C-60°C (-22 °F to140 °F) (With intelligent auxiliary heating) • Operating Humidity: 10%~90%RH, Non-condensing
	Certification	• CB, PSE (Battery) • CE, FCC, VCCI, IC, IP66

Dimensions



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VIGI 180W Solar Mount		
Hardware	Product Dimensions (W × D × H)	35.4 × 22.8 × 8.2 in (900 × 580 × 208 mm)
	Weight	• Product Weight: 20 kg • Package Weight: 24 kg
	Angle Adjustment (Manual)	Range: 5°/15°/25°/35°/45°/55°
Others	Package Contents	• VIGI 180W Solar Mount • Quick Start Guide • Mounting Accessories
	Environment	• Operating Temperature: -30°C to 60°C • Operating Humidity: 5%~90%RH, Non-condensing
	Compatible Pole Diameter	Ø3.1-6.3 in (Ø80-160 mm)
	Protection	Wind Resistance: Up to 99.4 mph (160 kph)

Specifications are subject to change without notice and can be found at www.vigi.com.

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