VIGI by tp-link

**Datasheet**
Security Never Shuts Down

# Solar System Controller

MODEL: VIGI PS90

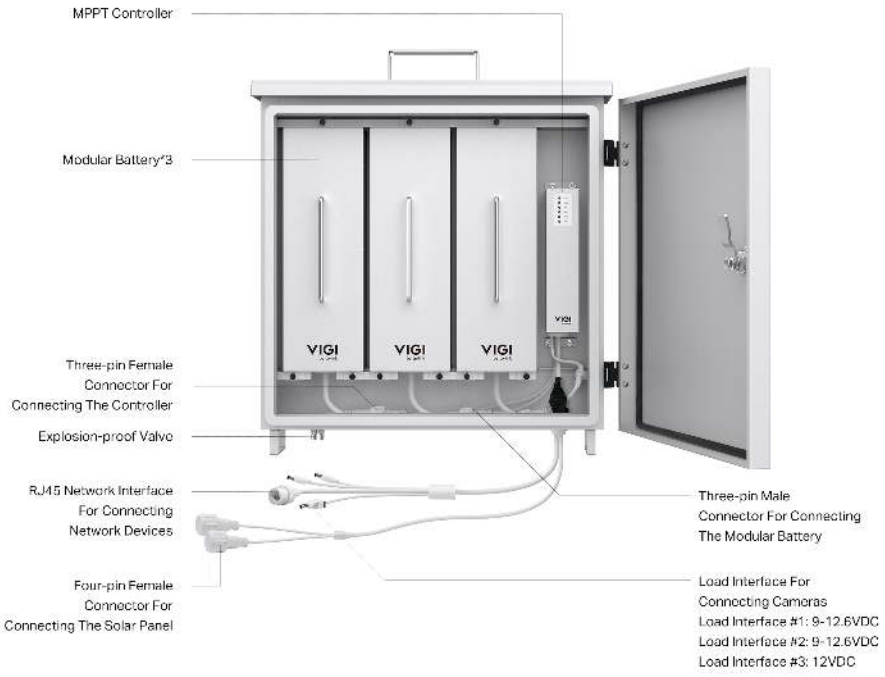



## Highlights

- 1024.92Wh Replaceable Automotive-Grade Lithium Battery
- Remote Management and Maintenance via the VIG app, VIGI Cloud VMS or VIGI VMS
- Independent Protection Circuit Ensures Battery Safety and Uninterrupted Device Operation
- Intelligent Auxiliary Heating Technology Ensures Optimal Battery Performance in Extreme Cold Weather
- Maximum Power Point Tracking (MPPT) Charging Controller Increases Charging Efficiency by 20%*
- Remaining Capacity > 70%** after 500 Cycles†
- IP66 Weatherproof

# Build Features



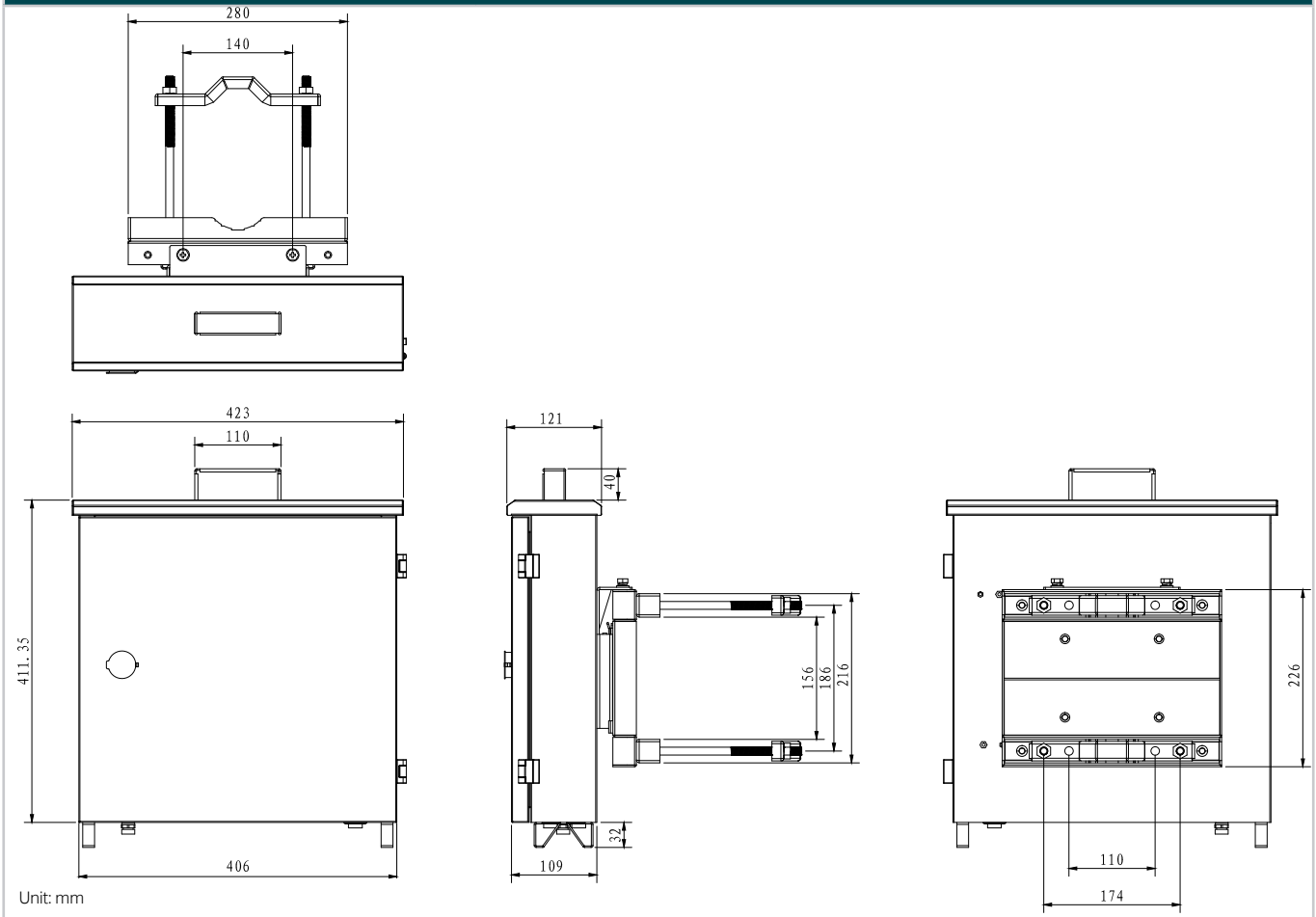

*Installation tools such as screwdrivers and rolling tape will not be provided.

# Specifications

| 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)<br>• -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)<br>• -30 °C to 60 °C (-22 °F to 140 °F) (With intelligent auxiliary heating)) |
| **Hardware** | |
| Interface | • 1× Three-pin Female Connector For Connecting The Controller<br>• 1× Three-pin Male Connector For Connecting The Modular Battery<br>• 2× Four-pin Female Connectors For Connecting The Solar Panel<br>• 1× 10/100 Mbps RJ45<br>• 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)<br>• Color: Blue |
| **Software Features** | |
| 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 |
| **Others** | |
| Certification | • CB, PSE (Battery)<br>• CE, FCC, VCCI, IC, IP66 |
| Compatible Pole Diameter | Ø3.1-6.3 in (Ø80-160 mm) |
| Package Contents | • VIGI PS90<br>• Installation Guide<br>• Waterproof Cable Attachments<br>• Mounting Accessories<br>• Extension Cable<br>• Box Key |
| Box Dimensions (W X D X H) | 18.9 × 16.8 × 6.4 in (481 × 426 × 163 mm) |
| Weight | • Product Weight: 16.5 kg<br>• Package Weight: 24 kg |
| Environment | • Operating Temperature: -30 °C to 60 °C (-22 °F to 140 °F) (With intelligent auxiliary heating)<br>• Operating Humidity: 10%~90%RH, Non-condensing |

## Dimensions




*This value is compared to the PWM (Pulse Width Modulation) controller. Actual performance will vary as a result of client limitations and environmental factors.

**Calculations based on laboratory testing. Actual performance will vary as a result of client limitations and environmental factors.

†A cycle represents one full charge and discharge. Based on 30Ah capacity and an average camera consumption of 2.44W, 500 cycles approximate a 10-year lifespan.

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

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