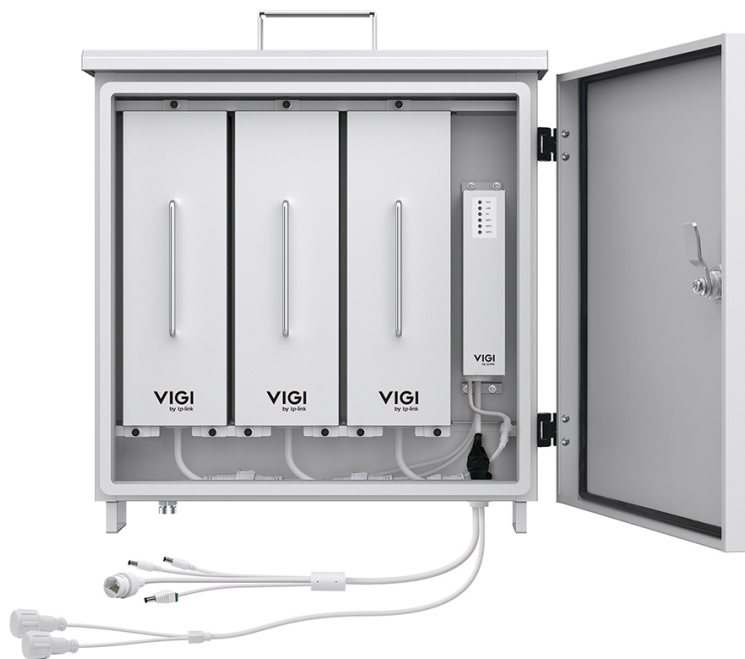


Solar System Controller

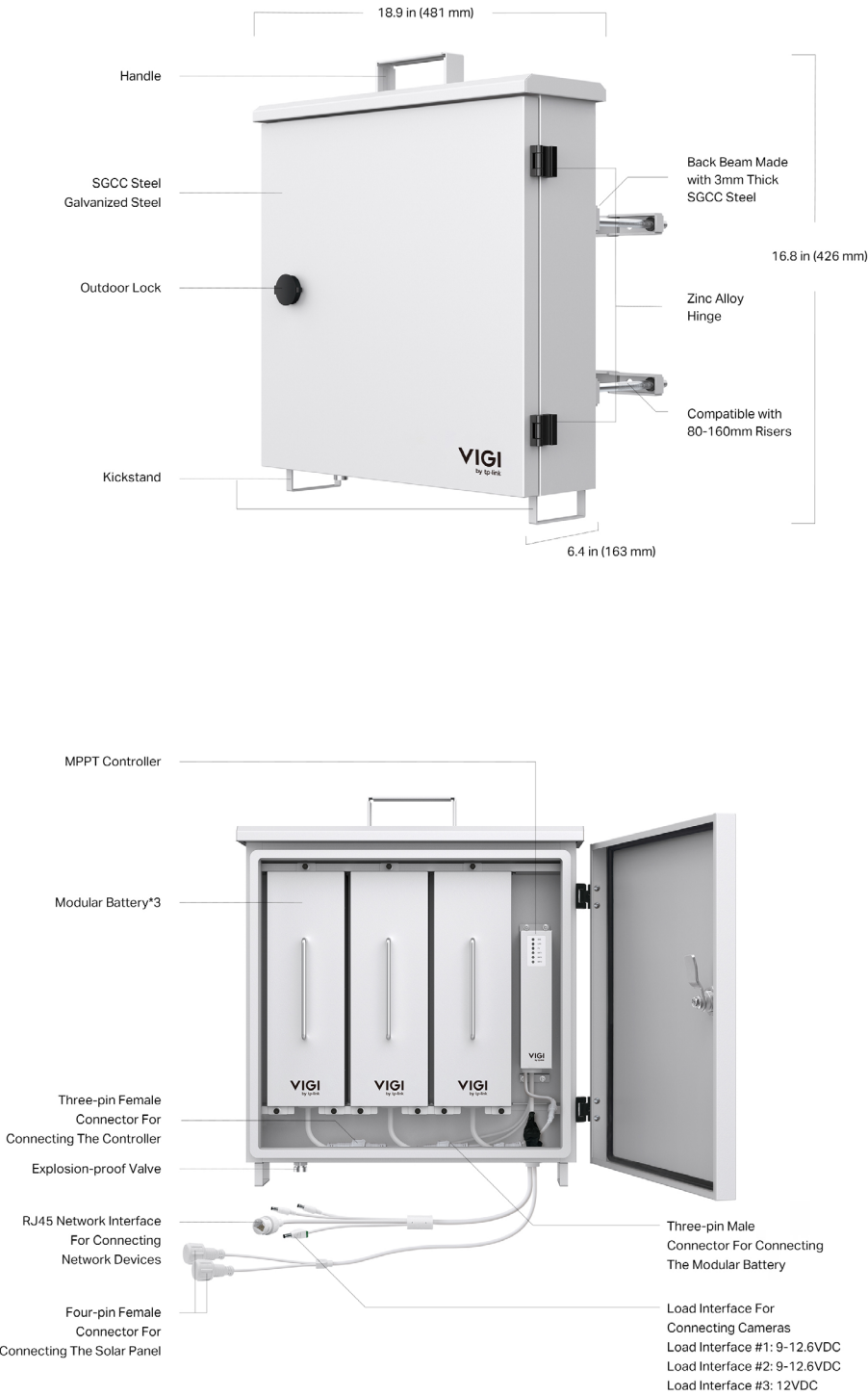
MODEL: VIGI PS90



// 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



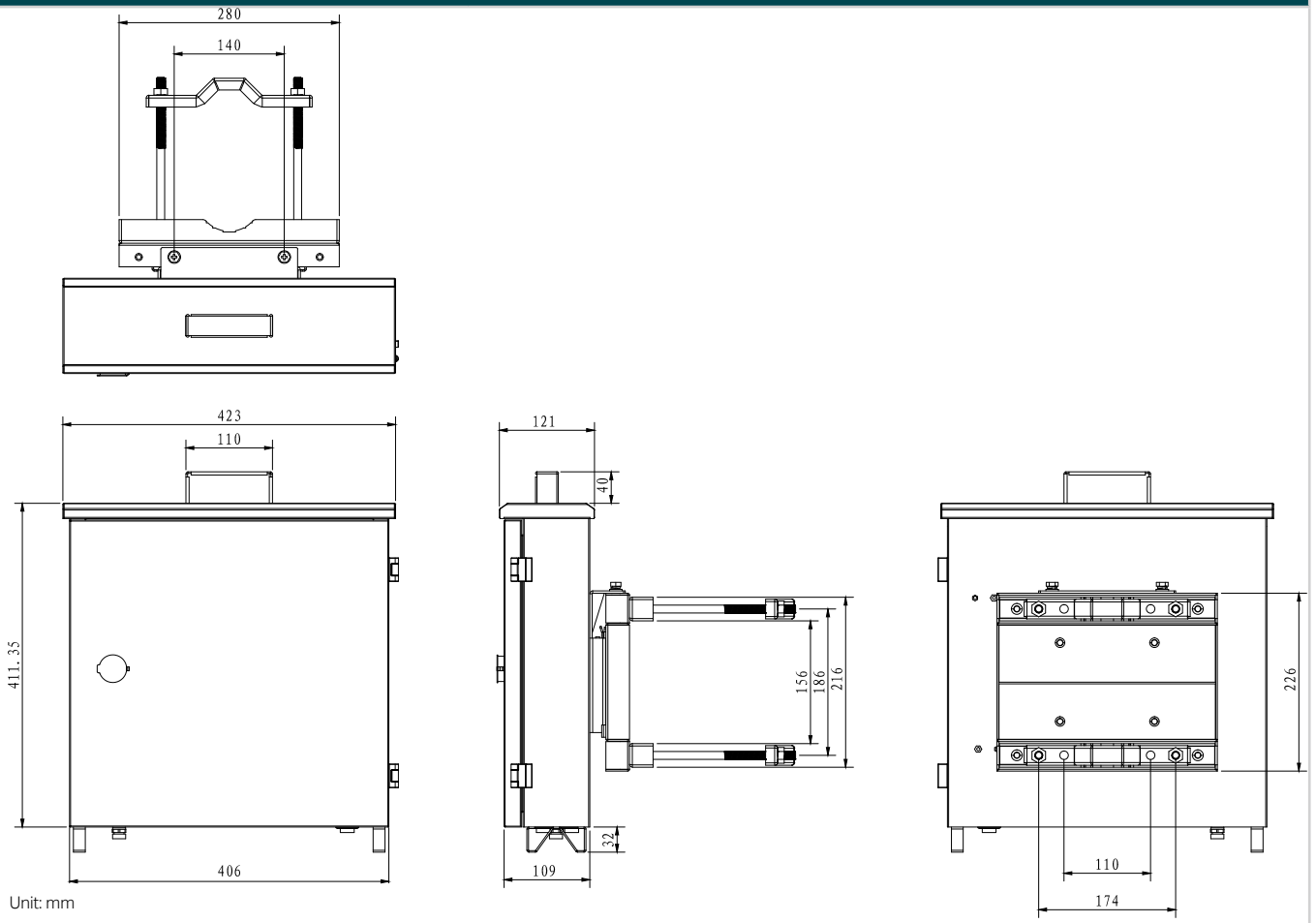
*Installation tools such as screwdrivers and rolling tape will not be provided.

// 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) • -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))
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 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) • CE, FCC, VCCI, IC, IP66
Package Contents	• VIGI PS90 • Installation Guide • Waterproof Cable Attachments • Mounting Accessories • Extension Cable • 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 • Package Weight: 24 kg
Environment	• Operating Temperature: -30 °C to 60 °C (-22 °F to 140 °F) (With intelligent auxiliary heating) • 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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