

DH-PFM378-B125-CB

Integrated Solar Monitoring System(Without Lithium Battery)



Series Overview

Dahua Integrated Solar Power Supply System reliably provides stable power to devices when there is no mains power supply available. It is easy to install and use, and is highly durable and reliable.

Technical Specification

Solar Panel

| | |
|-----------------------|-------------------------|
| Type | Monocrystalline silicon |
| Max. Power | 125 W |
| Output Voltage | 18.8 VDC |
| Solar Cell Efficiency | 0.21 |
| Max. Mechanical Load | 5400 Pa |

Controller

| | |
|-----------------------------------|--|
| Type | MPPT |
| Operating Voltage | 12 VDC |
| Rated Charging Current | 10 A |
| Rated discharge Current | 10 A |
| MPPT Tracking Efficiency | ≥99% |
| Communication Mode | RS-485 |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Rated Charging Power | 125 W |
| Over-discharge Protection Voltage | 11.1 VDC |
| Others | Over-temperature, over-discharge, over-voltage and low-temperature protection of battery; overload and short circuit protection of load. |

- Solar Power System.
- Integrated design, easy to install.
- Pole mount.
- Angle flexible adjustment of solar panel and camera mount.
- 125 W Monocrystalline solar panel.
- Aluminum alloy frame.
- Built sturdy to resist storms with sustained winds up to 117 km/h. (Note: The following four functions are only supported when battery power is used.)
- Remote monitoring available through the mobile app.
- Maximum Power Point Tracking (MPPT) charging controller.
- RS-485 communication.
- Electric protection.
- With ceiling mount bracket of PTZ camera PFB301C & mount adapter PFA111.

Port

| | |
|--------------|---|
| Power Output | Φ5.5 mm × Φ2.1 mm × 12 mm (Φ0.22" × Φ0.08" × 0.47") |
| RS-485 | Red: RS-485-A Black: RS-485-B |
| Output Port | CSA authorized M15 2-core waterproof connector (connected to lithium battery) |

General

| | |
|----------------------|---|
| Main Body Material | Q235 steel/aluminum |
| IP Rating | IP65 |
| Installation | Pole mount, Φ80 mm-Φ150 mm |
| Adjustable Angle | Solar panel: H: 360°, V: 10°/20°/30°/40°/50° |
| Product Dimensions | 875 mm × 761.9 mm × 951.9 mm (34.45" × 30.00" × 37.48") |
| Packaging Dimensions | 930 mm × 825 mm × 275 mm (36.61" × 32.48" × 10.83") |
| Packaging Method | 1 pc in each carton |
| Net Weight | 20.1 kg (44.31 lb) |
| Gross Weight | 26 kg (57.32 lb) |

Environment

| | |
|-----------------------|--|
| Operating Altitude | <3,000 m (9,842.52 ft) |
| Applicable Area | Areas with daily exposure to solar radiation for more than 3.5 hours |
| Operating Temperature | -20 °C to +60 °C (-4 °F to +140 °F) |
| Operating Humidity | <95% (RH) |
| Storage Temperature | 0 °C to +40 °C (+32 °F to +104 °F) |
| Storage Humidity | <95% (RH) |

Certifications

Certifications

CE: EN 55032:2015+A11:2020, EN 55030-4:2011+A1:2014, EN 55024:2010+A1:2015, EN 55035:2017+A11:2020
 FCC: 47 CFR Part 15, Subpart B
 UKCA: EN 55032:2015+A11:2020, EN 55030-4:2011+A1:2014, EN 55024:2010+A1:2015, EN 55035:2017+A11:2020

Ordering Information

| Type | Model | Description |
|---------------------------|--------------------------|---|
| Solar Power Supply System | DH-PFM378-B125-CB | Integrated Solar Monitoring System(Without Lithium Battery) |
| Accessories (Optional) | PFM372-L45-4S14P | Integrated solar lithium battery |
| | DH-SD6C3432XB-HNR-AGQ-PV | 4MP 32 Starlight IR NETWORK PTZ CAMERA |
| | DH-SD49425DB-HNY-GQ-LA | 4MP 25 Starlight IR NETWORK PTZ CAMERA |
| | DH-SD49425DB-HNY-GQ-EAU | 4MP 25 Starlight IR NETWORK PTZ CAMERA |

Accessories

Optional:



PFM372-L45-4S14P
Integrated solar lithium battery



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Dimensions (mm[inch])

