

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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4MP 32 Starlight IR NETWORK PTZ CAMERA



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4MP 25 Starlight IR NETWORK PTZ CAMERA



DH-SD49425DB-HNY-GQ-EAU
4MP 25 Starlight IR NETWORK PTZ CAMERA

Dimensions (mm[inch])

