

DH-PFM371-M275

275W Monocrystalline Silicon Solar Module



- Effectively saves energy, consuming no more than 275 W.
- Absorbs light and converts the energy of light into electricity in a balanced way using multiple busbar solar cells.
- Designed with high-quality glass and an etching treatment on the surface of the cells, the device remains stable in different environment.
- Built to be durable, the device can withstand extreme conditions such as places that are in high altitudes, or that have high salt density and low temperatures.
- Long lifespan of up to 25 years.

Technical Specification

Solar Panel

Type	Monocrystalline silicon
Max. Power	275 W (Power Tolerance: $\pm 3\%$)
Operating Voltage	32.66 V
Operating Current	8.42 A
Short Circuit Current	8.9 A
Open Circuit Voltage	39.63 V
Conversion Rate of Solar Panel Components	19.29%
Light Conversion Rate of Silicon Chips	$\geq 22\%$
Max. Mechanical Load	Front side: 5400 Pa Rear side: 2400 Pa
Dielectric Strength	1000 V
Protection	IK07
Power-to-temperature Coefficient	-0.38%/K
Current-to-temperature Coefficient	+0.07%/K

Voltage-to-temperature Coefficient	-0.36%/K
Main Body Material	Silicon; tempered glass; aluminium frame
Silicon Chip Size	105 mm $\times$ 210 mm (4.13" $\times$ 8.27") (L $\times$ W)
Silicon Chip Array	4 $\times$ 15

Port

Output Port	Compatible MC4 connector
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General

Product Dimensions	1620 mm $\times$ 880 mm $\times$ 35 mm (63.78" $\times$ 34.65" $\times$ 1.38") (L $\times$ W $\times$ H)
Packaging Dimensions	1659 mm $\times$ 919 mm $\times$ 166 mm (65.31" $\times$ 36.18" $\times$ 6.54") (L $\times$ W $\times$ H)
Packaging Method	2 pieces in each carton
Net Weight	14 kg (30.86 lb)
Gross Weight	49.5 kg (109.13 lb)

Environmental

Operating Altitude	<3000 m (9842.52 ft)
Applicable Area	Locations with exposure to solar radiation for more than 3.5 hours per day
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °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 61000-6-1, EN 61000-6-3 UKCA: EN 61000-6-1, EN 61000-6-3 FCC: 47 CFR Part 15, Subpart B
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Ordering Information

Type	Model	Description
Solar Module	DH-PFM371-M275	275W Monocrystalline Silicon Solar Module

Dimensions (mm[inch])

mm [inch]

