

8W Solar Panel (With Bracket)

DH-PFE311-M0508



High Conversion Efficiency

Premium solar cells with a conversion efficiency of $\geq 23\%$.



Long-distance Charging Cable

Includes a 2-meter Type-C cable and a 2-meter extension cable that extend the charging distance.



360° Adjustable Bracket Design

Includes a mount bracket that supports 360° adjustments.



Hidden Cable Design

Includes a 360° cable tray designed to conceal excess Type-C cables.



IP66 Protection

Withstands harsh environments

Specifications

Structure

Cell Type	Monocrystalline silicon
Main Body Material	Silicon/PC
Wafer Size	158.7 mm × 24.8 mm (6.25" × 0.98") (L × W)
Wafer Layout	1 × 10

Electrical

Max. Power	8 W
Operating Voltage	5.0 V
Operating Current	1.57 A
Short Circuit Current	1.72 A
Open Circuit Voltage	6.8 V
Silicon Chip Conversion Efficiency	$\geq 23\%$
Power Temperature Coefficient	$-0.42\%/K$
Current Temperature Coefficient	$0.04\%/K$

Voltage Temperature System	$-0.3\%/K$
----------------------------	------------

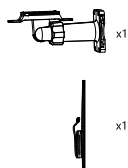
General

Product Dimensions	285.6 mm × 168.0 mm × 145.1 mm (11.24" × 6.61" × 5.71") (L × W × H)
Packaging Dimensions	311 mm × 221 mm × 76 mm (12.24" × 8.70" × 2.99") (L × W × H)
Net Weight	0.467 kg ± 0.01 kg (1.03 lb ± 0.02 lb)
Gross Weight	0.59 kg ± 0.01 kg (1.30 lb ± 0.02 lb)

Environment

Operating Temperature	$-40\text{ }^{\circ}\text{C}$ to $+85\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $+185\text{ }^{\circ}\text{F}$)
Operating Humidity	$<95\%$ (RH)
Storage Temperature	$0\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$ ($+32\text{ }^{\circ}\text{F}$ to $+104\text{ }^{\circ}\text{F}$)
Storage Humidity	$<95\%$ (RH)

What's in the box



Tools:

Screw Package × 1

Documents:

Quick Start Guide × 1
Legal and regulation information × 1

Power:

2m Extension cord × 1

