

# HiMAX 4S

Model SP410S-H

# SHINGLED

## High Efficient Imbricate Solar Module

# 410W

15-Year → Warranty for materials.

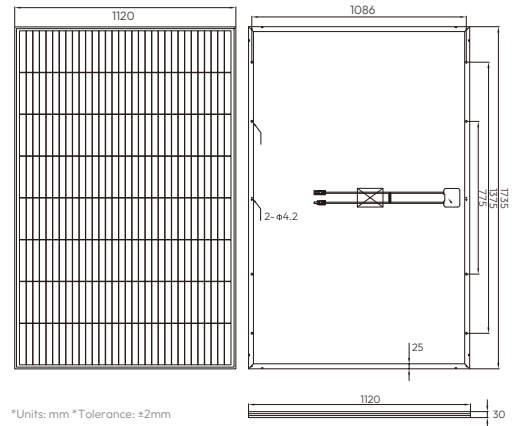
25-Year → Warranty for linear power output.

Mechanical Specification	
Cell Orientation	256
Junction Box	IP68, three diodes
Output Cable	4mm <sup>2</sup> , 900mm (length can be customized)
Glass	Tempered glass, 3.2mm in thickness
Frame	Anodized aluminium alloy
Weight	21.4kg
Dimension	1735×1120×30mm
Packaging	37pcs per pallet
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~±5W
Max. System Voltage	1000VDC (IEC)
Max. Series Fuse Rating	20A
NOCT	44±2°C
Max. Static Load(Front)	5400Pa
Max. Static Load(Back)	2400Pa
Hailstone Test	25mm hailstone at the speed of 23m/s

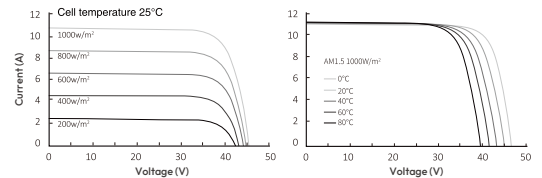
Electrical Characteristics	
Model Number	Model Number
Maximum Power (Pmax/W)	410W
Open Circuit Voltage (Voc/V)	42.92V
Short Circuit Current (Isc/A)	11.83A
Voltage at Maximum Power (Vmp/V)	36.55V
Current at Maximum Power (Imp/A)	11.22A
Module Efficiency(%)	21.1%
Temperature Coefficient of Isc	+0.04% / °C
Temperature Coefficient of Voc	-0.25% / °C
Temperature Coefficient of Pmax	-0.34% / °C

\* STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Spectra at AM1.5  
 \* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s  
 \* Test uncertainty for Pmax: ±3%

### Design



### I-V Curve SP410S-H



### Comprehensive Products & System Certificates

IEC61215/IEC61730  
 ISO 9001: Quality Management System  
 ISO 14001: Environmental Management System  
 ISO 45001: Occupational Health and Safety Management System

