

Multi

72cells

(320~350Watt)



Those who dream of a better future can help lead to a more meaningful and enriched world. As a leading solar module manufacturer in Korea, we never stop to achieve competitiveness through differentiation, implement the maximum value, and commit to sustainable development with customers.

Certificates



Quality

ISO 9001:2015 ISO 14001:2015
OHSAS 18001:2007 ISO/TS 16949:2009
Bankability Tier1 PV module manufacturer



Product

IEC 61215 / IEC 61730 : TUV / CE
IEC 61701 Salt Mist Corrosion Level 6
UL 1703 Fire Rating Type1

Key Features



Linear Performance Warranty

10 Years product warranty
25 Years linear performance warranty



Certified Durability

5,400 Pa snow load
2,400 Pa wind load



1,500V

Designed for UL and IEC 1,500V
Saving BoS costs



PID Free

Anti-PID Cell
Anti-PID encapsulation technology

Optional Features



Perfect Black

Black anodized frame
Black back sheet
Black string ribbon



Floating PV Installation

Module backside blocks moisture permeability

Multi - Crystalline Solar Module (PD-AN1)

72 cells (320~350Watt)

Electrical Data / STC (PD-AN1) : Irradiance of 1000W/°C, spectrum AM 1.5 and cell temperature of 25°C

| | | | | | | | | |
|--------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|
| Nominal Max Power | Pmax (Wp) | 320 | 325 | 330 | 335 | 340 | 345 | 350 |
| Voltage at Pmax | Vmp (v) | 36.6 | 37.0 | 37.4 | 37.8 | 38.2 | 38.6 | 39.0 |
| Current at Pmax | Imp (A) | 8.75 | 8.79 | 8.83 | 8.87 | 8.91 | 8.94 | 8.98 |
| Open Circuit Voltage | Voc (v) | 45.3 | 45.7 | 46.1 | 46.5 | 46.9 | 47.3 | 47.7 |
| Short Circuit Current | Isc (A) | 9.12 | 9.16 | 9.20 | 9.24 | 9.28 | 9.31 | 9.35 |
| Module Efficiency | % | 16.05% | 16.30% | 16.55% | 16.80% | 17.05% | 17.30% | 17.55% |
| Operating Temperature | -40°C ~ +85°C | | | | | | | |
| Max. System Voltage | 1500 Vdc | | | | | | | |
| Max. Service Fuse Rating | 20A | | | | | | | |
| Max. Reverse Current | 20A | | | | | | | |
| Power tolerance | 0 ~ +4.99W | | | | | | | |

Electrical Data / NOCT (PD-AN1) : Irradiance of 800W/°C, spectrum AM 1.5 and Ambient Temperature of 20°C, wind speed 1m/s

| | | | | | | | | |
|-----------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Nominal Max Power | Pmax (Wp) | 233.6 | 237.2 | 240.4 | 244.0 | 247.7 | 251.0 | 254.7 |
| Voltage at Pmax | Vmp (v) | 33.7 | 34.0 | 34.3 | 34.7 | 35.0 | 35.3 | 35.7 |
| Current at Pmax | Imp (A) | 6.94 | 6.98 | 7.01 | 7.04 | 7.08 | 7.10 | 7.14 |
| Open Circuit Voltage | Voc (v) | 41.2 | 41.5 | 41.9 | 42.2 | 42.6 | 43.0 | 43.3 |
| Short Circuit Current | Isc (A) | 7.39 | 7.42 | 7.45 | 7.49 | 7.52 | 7.54 | 7.57 |

Mechanical Data

| | | |
|-----------------------------|--|--|
| Cell Type | Multi-crystalline, 6 inch | |
| Cell Arrangement | 72 (6 x 12) | |
| Dimensions | 1994 x 1000 x 35mm (78.50 x 39.37 x 1.38in) | 1994 x 1000 x 40mm (78.50 x 39.37 x 1.57in) |
| Weight | 21.5kg(47.4 lbs) | 22.5kg (49.6 lbs) |
| Stand. Packaging | 29 pcs | 26 pcs |
| Module Pieces per Container | 638 pcs | 572 pcs |
| Pallets per Container | 22 | |
| Frame | Anodized aluminum | |
| Front glass | 3.2mm(0.13in) tempered glass | |
| J-Box | IP68, 3 diodes | |
| Output cable | (+)1200mm(47.24in), (-)1200mm(47.24in), 12AWG | |
| Connectors | MC4 compatible | |
| Module Fire Performance | Type 1 | |

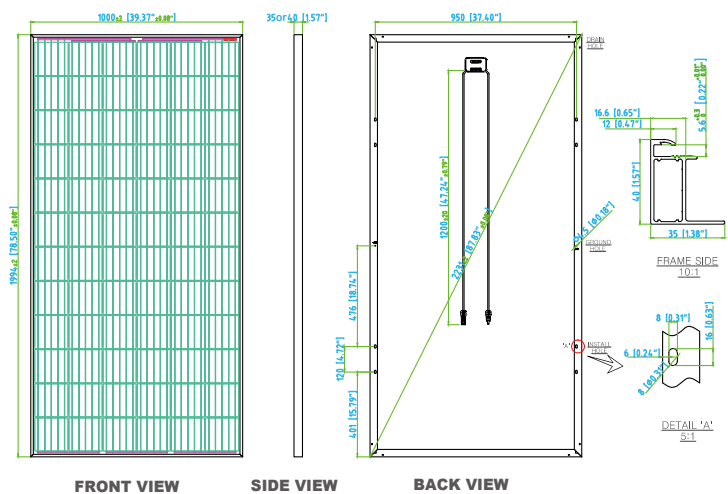
Warranties

| | |
|-------------|---|
| Product | 10 years |
| Performance | 10 years performance warranty (>90%) 25 years linear power warranty (>80%) |

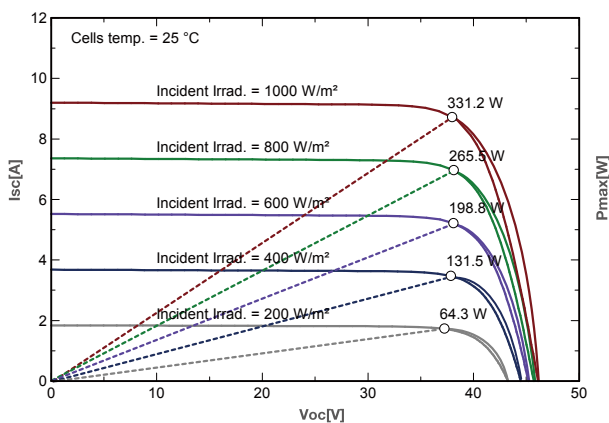
Temperature Characteristics

| Specifications | Data |
|-----------------------------------|------------|
| Temperature coefficient (Pmax) | -0.45 |
| Temperature coefficient (Voc) | -0.34 |
| Temperature coefficient (Isc) | 0.06 |
| Normal Operating Cell Temperature | 46.0 ± 2°C |

MODULE DIAGRAM unit : mm (inch)



I-V Curve according to Irradiance



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