

F6P_H3A / 60 cells
 275W - 295 W
 Multi-Crystalline PV Module

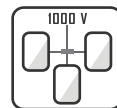
URE Super series module uses URE own high efficiency P-PERC multi crystalline solar cells, and advanced module manufacturing experiences.



Key Features



100% EL inline inspection
 Better module reliability



Design for 1000 VDC
 Reduce the system BOS effectively



Withstand heavy loading
 front load 5400 Pa & rear load 2400 Pa



Excellent low light performance
 3.5% relative eff. Reduction at low-irradiance (200W/m²)



Electrical Data

| Model - STC | | F6P275H3A | F6P280H3A | F6P285H3A | F6P290H3A | F6P295H3A |
|-----------------------------|-----|-----------|-----------|-----------|-----------|-----------|
| Maximum Rating Power (Pmax) | [W] | 275 | 280 | 285 | 290 | 295 |
| Module Efficiency | [%] | 16.90 | 17.21 | 17.52 | 17.83 | 18.13 |
| Open Circuit Voltage (Voc) | [V] | 38.55 | 38.91 | 39.27 | 39.69 | 39.99 |
| Maximum Power Voltage | [V] | 31.40 | 31.75 | 32.10 | 32.44 | 32.78 |
| Short Circuit Current (Isc) | [A] | 9.23 | 9.30 | 9.37 | 9.44 | 9.51 |
| Maximum Power Current | [A] | 8.76 | 8.82 | 8.88 | 8.94 | 9.00 |

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5

*Values without tolerance are typical numbers.Measurement tolerance:± 3%

*Assembly in China

Mechanical Data

| Item | Specification |
|-------------------------|---|
| Dimensions | 1640 mm (L) ¹ x 992 mm (W) ¹ x 35 mm (D) ² / 64.5" (L) ¹ x 39.1" (W) ¹ x 1.38" (D) ² |
| Weight | 18 kg / 39.7 lbs |
| Solar Cell | 60 multi-crystalline 6" silicon cells |
| Front Glass | High transmission tempered glass, 3.2mm thickness |
| Cell Encapsulation | EVA (Ethylene-Vinyl-Acetate) |
| Back Cover | Composite film, white |
| Frame | Anodized aluminum alloy |
| Fire Rating | CLASS C |
| Junction Box | Tian Sheng TS08-12; Holysun J2, |
| Connector type | Tian Sheng TS01; Holysun C1 |
| Packaging Configuration | (31+31+4) pcs / Pallet, 924 pcs per 40' HQ container |

1 : With assembly tolerance of ± 2 mm [± 0.08"]

2 : With assembly tolerance of ± 0.8 mm [± 0.03"]

Operating Conditions

| Item | Specification |
|------------------------|-----------------------------|
| Mechanical Load | 5400 Pa (Certified by TUV) |
| Maximum System Voltage | TUV 1000 VDC |
| Series Fuse Rating | 15 A |
| Operating Temperature | -40 to 85 °C |

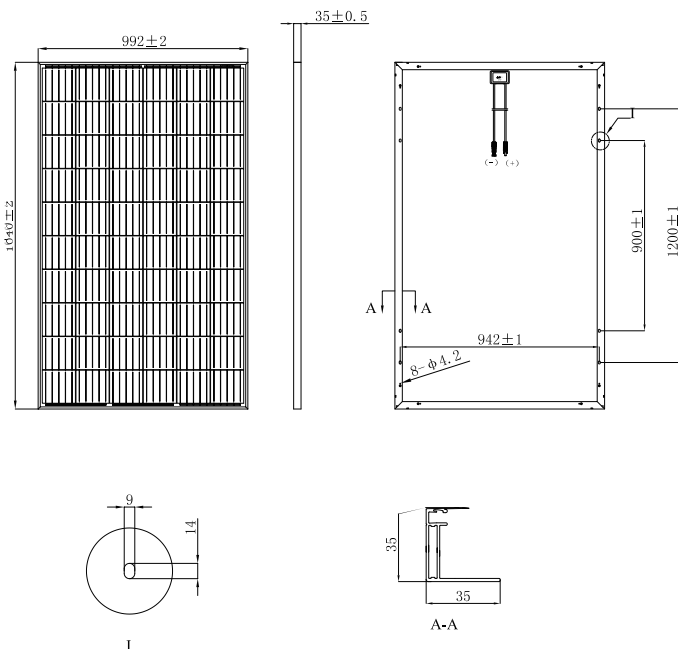
Temperature Characteristics

| Item | Specification |
|--------------------------------------|---------------|
| Nominal Module Operating Temperature | 45°C ± 2°C |
| Temperature Coefficient of Isc | 0.040 % / °C |
| Temperature Coefficient of Voc | -0.307 % / °C |
| Temperature Coefficient of Pmax | -0.394 % / °C |

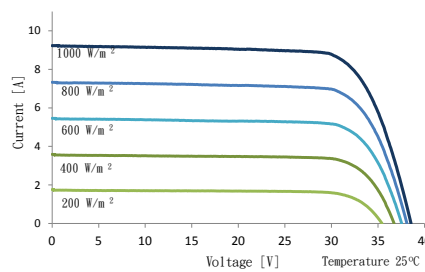
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3 ± 2%.

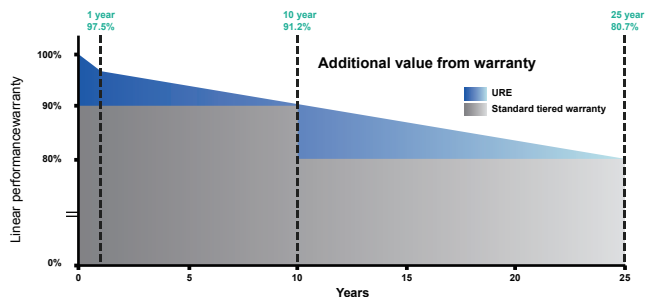
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
Years

Product Guarantee
12
Years

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