



F6E_H3A / 60 cells

265W - 280W

Poly-Crystalline PV Module



Key Features



Positive power tolerance
+0 ~ +4.99 watt



Withstand heavy loading
front load 3600 Pa & rear load 3600 Pa



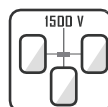
Strict quality control
meeting the highest international standard:
ISO 9001



100% EL inline inspection
Better module reliability



Ammonia resistance
Reliable in ammonia rich
environment



Design for 1500 VDC
Reduce the system BOS effectively

Electrical Data

Model - STC		F6E265H3A	F6E270H3A	F6E275H3A	F6E280H3A
Maximum Rating Power (Pmax)	[W]	265	270	275	280
Module Efficiency	[%]	16.3	16.6	16.9	17.2
Open Circuit Voltage (Voc)	[V]	37.6	37.9	38.2	38.5
Maximum Power Voltage	[V]	30.5	30.8	31.0	31.2
Short Circuit Current (Isc)	[A]	9.28	9.38	9.47	9.56
Maximum Power Current	[A]	8.70	8.78	8.88	8.98

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

*Values without tolerance are typical numbers.

Mechanical Data

Item	Specification
Dimensions	1640mm (L) ¹ x 992mm (W) ¹ x 35 mm (D) ² / 64.57" (L) ¹ x 39.06" (W) ¹ x 1.38" (D) ²
Weight	18.5 kg / 40.79 lbs
Solar Cell	60 polycrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2 mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP 67 rated
Frame	Anodized aluminum frame, original
Package Configuration	30 pcs per Pallet, 840 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 (Test Load)	5400 Pa acc. to IEC61215
Maximum System Voltage	1500 VDC
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

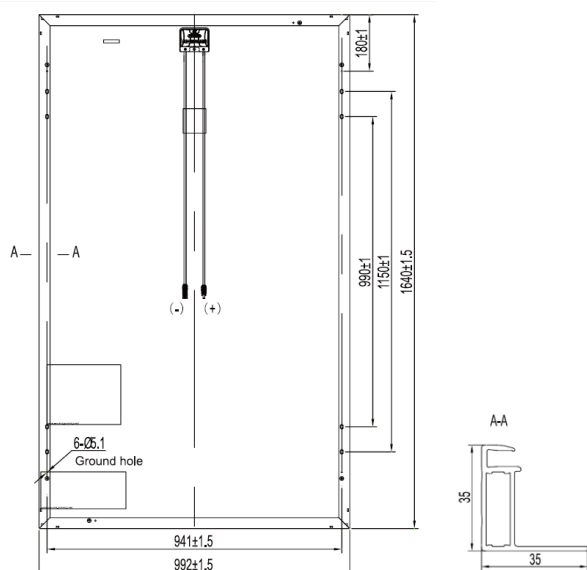
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	44 °C ± 2 °C
Temperature Coefficient of Isc	0.05 %/ °C
Temperature Coefficient of Voc	-0.32 %/ °C
Temperature Coefficient of Pmax	-0.41 %/ °C

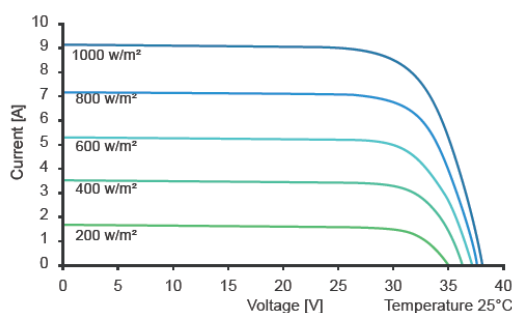
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20 °C, windspeed 1 m/s.

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

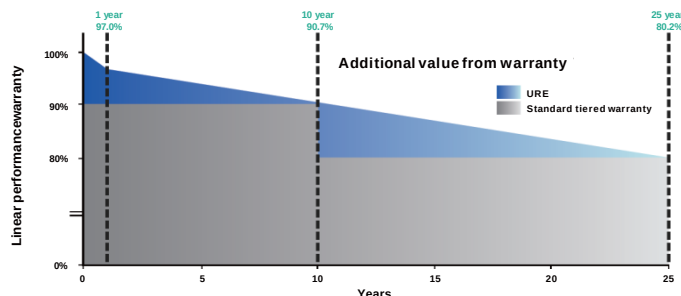
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output Warranty
25
Years

Product Guarantee
10
Years

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