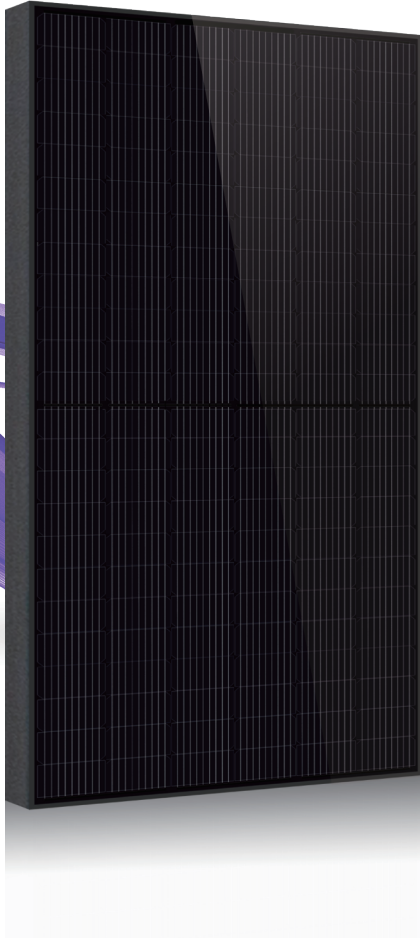




UNITED RENEWABLE ENERGY



F6M_E7G-BB / 120 cells

345W - 365 W

Mono-Crystalline PV Module

URE modules use URE's state-of-the-art cell cutting technology and advanced module manufacturing experience.



Key Features

+ Publicly Traded Taiwanese Company. Formed as the merger of four Cell and Module Manufacturers in 2018. All four founding companies (Neo Solar Power, Gintech, Solartech, NDF) were in existence since 2008 or earlier.

+ Over 400MW Of Projects Installed in the United States.

+ 25 Year Output Warranty and 25 Year Product Guarantee

+ Winner of Taiwan Excellence Award 7 Consecutive Years for Highest Efficiency Module.

+ Super All Black Design for High Profile Residential and Commercial Installations.

+ High Quality Solar Cell Technology allows URE to be a major international exporter to Solar Module manufacturers in the United States and Europe.





UNITED RENEWABLE ENERGY

Electrical Data

Model - STC		F6M345E7G-BB	F6M350E7G-BB	F6M355E7G-BB	F6M360E7G-BB	F6M365E7G-BB
Maximum Rating Power (Pmax)	[W]	345	350	355	360	365
Module Efficiency	[%]	18.68	18.95	19.22	19.50	19.77
Open Circuit Voltage (Voc)	[V]	39.90	40.10	40.30	40.50	40.70
Maximum Power Voltage	[V]	33.40	33.60	33.80	34.00	34.20
Short Circuit Current (Isc)	[A]	11.13	11.19	11.26	11.35	11.43
Maximum Power Current	[A]	10.33	10.42	10.51	10.59	10.68

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5
 *Values without tolerance are typical numbers. Measurement tolerance: ± 3%

Mechanical Data

Item	Specification
Dimensions	1762 mm (L) ¹ x 1048 mm (W) ¹ x 35 mm (D) ² / 69.37" (L) ¹ x 41.26" (W) ¹ x 1.38" (D) ²
Weight	19.6 kg / 43.21 lbs
Solar Cell	Mono / 83 mm x 166mm
Front Glass	White toughened safety glass, 3.2mm thickness
Frame	Black anodized aluminum profile
Junction Box	IP ≥67, 3 diodes
Connectors Type	MC4 Compatible
Cable	1.2M (cable length can be customized), 4mm ²
Packaging Configuration	31 pcs Per Pallet, 806 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

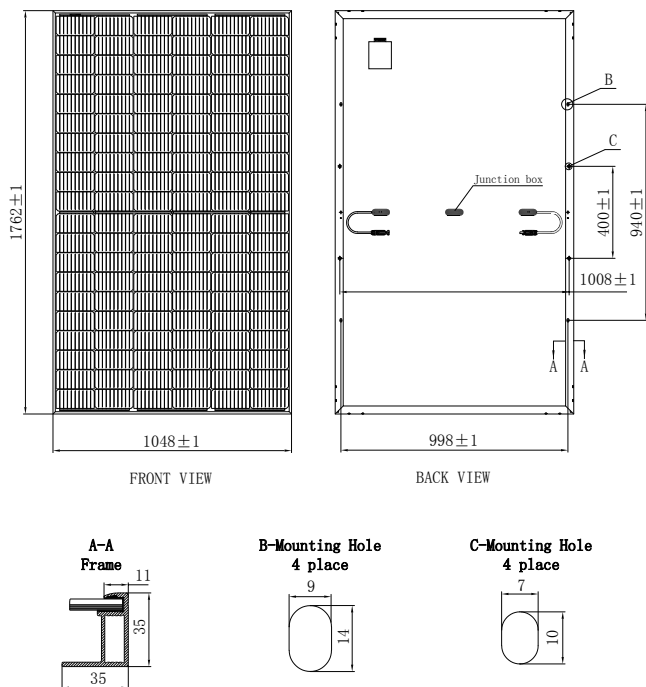
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1000 VDC
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

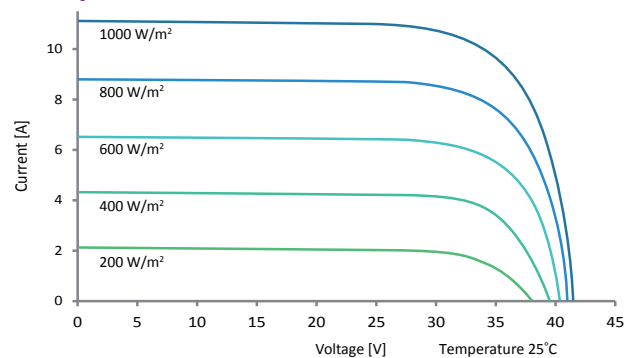
Item	Specification
Nominal Module Operating Temperature	45 °C ± 2°C
Temperature Coefficient of Isc	0.048 % / °C
Temperature Coefficient of Voc	-0.27 % / °C
Temperature Coefficient of Pmax	-0.35 % / °C

*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: 3.5 ± 2%.

Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty

