



F6P_H3A / 60 cells

270W – 295W

Multi-Crystalline PV Module

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



Key Features



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



100% EL inline inspection
Better module reliability

a

Electric 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]	31.4	31.75	32.1	32.44	32.78
Short Circuit Current (Isc)	[A]	9.23	9.3	9.37	9.44	9.51
Maximum Power Current	[A]	8.76	8.82	8.88	8.94	9

*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:CN

Mechanical Data

Item	Specification
Dimensions	1640mm (L) x 992mm (W) x (35or40)mm (D)
Weight	18.5 kg
Solar Cell	60 monocrystalline 6" silicon cells
Front Glass	High transmission tempered glass, 3.2 mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Frame	Anodized aluminium alloy
Package Configuration	(31+31+4)pcs / pallet, 924pcs / 40'HQ Container
Fire Rating	CLASS C
Junction Box	TS08-12 (logo: tiansheng); J2 (Logo: holysun)
Connector type	TS01 (logo: tiansheng); C1 (Logo: holysun)

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	15A
Operating Temperature	-40 to 85 °C

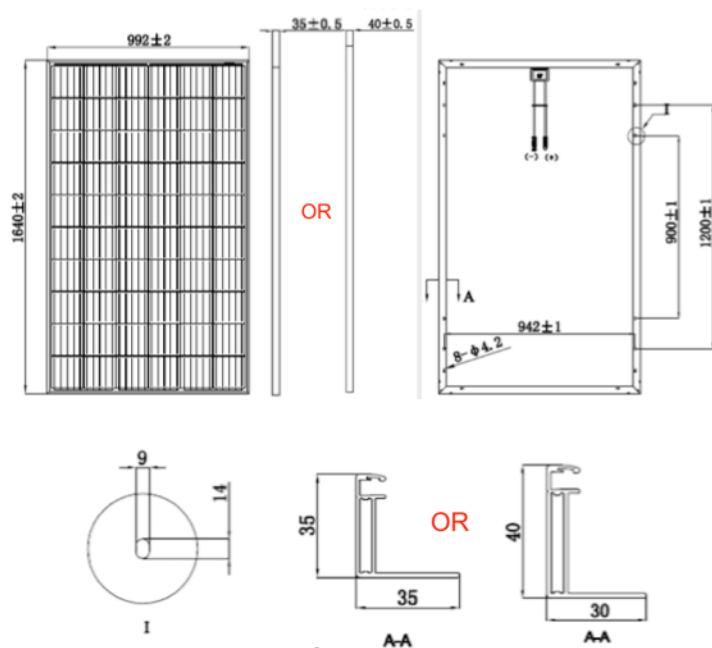
Temperature Characteristics

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

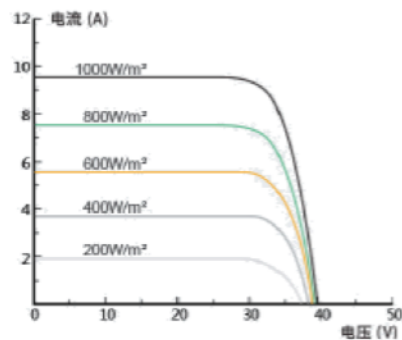
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

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

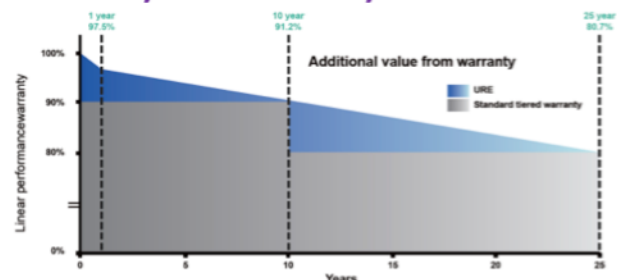
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output Warranty
25
Years

Product Guarantee
10
Years

For more information, please visit us at www.urecorp.com