

FBK\_MFW / 108 cells

390W - 410 W

Mono-Crystalline PV Module

URE Peach module uses URE state-of -the art cell cutting technology, and advanced module manufacturing experiences.



## Key Features



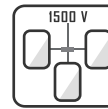
Positive power tolerance  
+0 ~ +5 watt



100% EL inline inspection  
Better module reliability



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



Design for 1500 VDC  
Reduce the system BOS effectively



Excellent low light performance  
3.5% relative eff. Reduction at low  
(200W/m<sup>2</sup>)



PID resistance  
Excellent PID resistance performance



### Electrical Data

Model - STC		FBK390MFW	FBK395MFW	FBK400MFW	FBK405MFW	FBK410MFW
Maximum Rating Power (Pmax)	[W]	390	395	400	405	410
Module Efficiency	[%]	19.95	20.20	20.46	20.72	20.97
Open Circuit Voltage (Voc)	[V]	36.67	36.91	37.10	37.33	37.58
Maximum Power Voltage	[V]	30.59	30.76	30.98	31.23	31.44
Short Circuit Current (Isc)	[A]	13.63	13.71	13.80	13.87	13.94
Maximum Power Current	[A]	12.75	12.84	12.91	12.97	13.04

\*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5  
 \*Values without tolerance are typical numbers.Measurement tolerance: ± 3%

### Mechanical Data

Item	Specification
Dimensions	1724 mm (L) <sup>1</sup> x 1134 mm (W) <sup>1</sup> x 30 mm (D) <sup>2</sup> / 67.87" (L) <sup>1</sup> x 44.65" (W) <sup>1</sup> x 1.18" (D) <sup>2</sup>
Weight	21.0 kg / 46.30 lbs
Solar Cell	108 pieces monocrystalline solar cells series strings
Front Glass	High transmission glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Viny-Acetate)
Frame	anodized aluminum profile
Junction Box	IP≥ 68, 3 diodes
Cable & Connector	4 mm <sup>2</sup> , 300mm in length, compatible with MC4
Package Configuration	36+36 pcs Per Pallet, 936 pcs per 40' HQ container

<sup>1</sup> : With assembly tolerance of ± 2 mm [ ± 0.08" ]  
<sup>2</sup> : With assembly tolerance of ± 0.8 mm [ ± 0.03" ]

### Operating Conditions

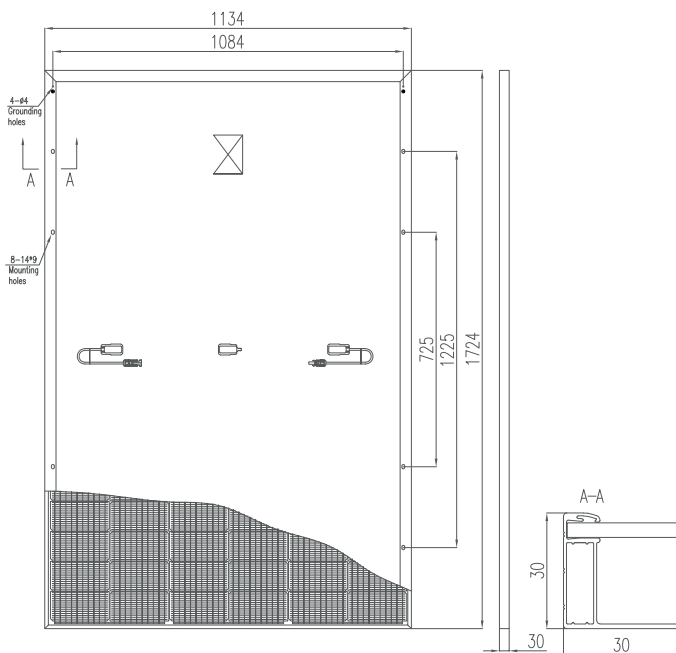
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500V
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

### Temperature Characteristics

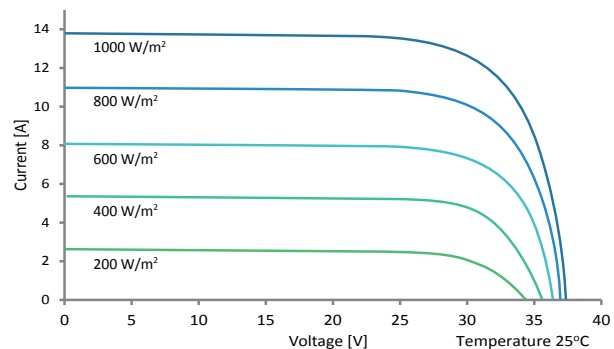
Item	Specification
Nominal Module Operating Temperature	45°C ± 2°C
Temperature Coefficient of Isc	0.046 % / °C
Temperature Coefficient of Voc	-0.266 % / °C
Temperature Coefficient of Pmax	-0.354 % / °C

\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.  
 \*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3.5 ± 2%.

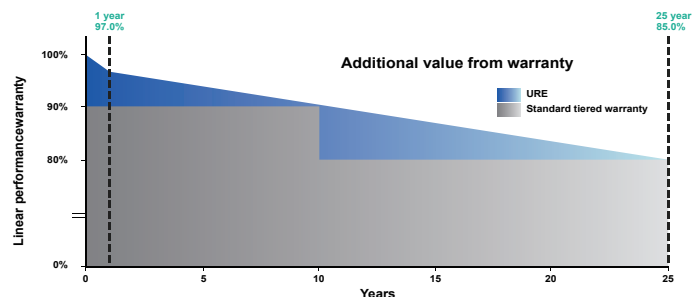
### Engineering Drawing (mm)



### Dependence on Irradiance



### Reliability with Warranty



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