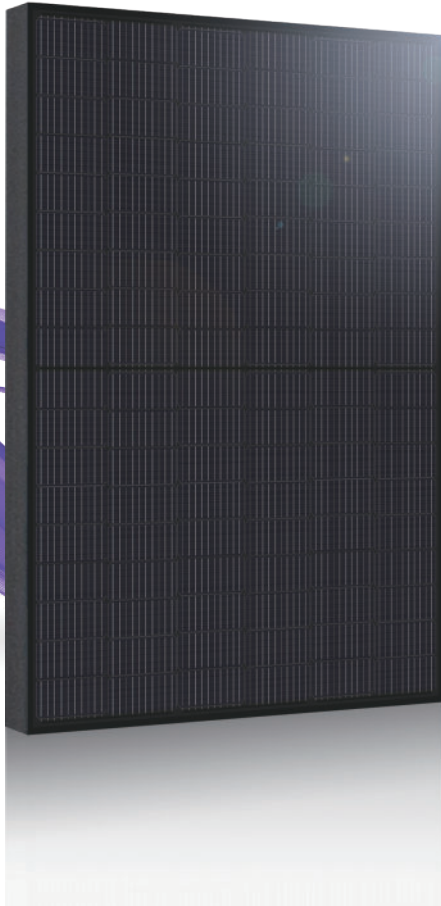




FBK\_MFO / 108 cells  
390W-410 W  
Mono-Crystalline PV Module

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



## Key Features



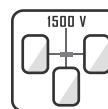
Positive power tolerance  
+0 ~ +5 watt



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-irradiance (200W/m<sup>2</sup>)



### Electrical Data

Model - STC		FBK390MFO	FBK395MFO	FBK400MFO	FBK405MFO	FBK410MFO
Maximum Rating Power (Pmax)	[W]	390	395	400	405	410
Module Efficiency	[%]	19.97	20.22	20.48	20.74	21.00
Open Circuit Voltage (Voc)	[V]	36.47	36.71	36.95	37.19	37.43
Maximum Power Voltage	[V]	30.59	30.84	31.08	31.33	31.59
Short Circuit Current (Isc)	[A]	13.48	13.54	13.60	13.66	13.72
Maximum Power Current	[A]	12.75	12.81	12.87	12.93	12.98

\*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	1722mm (L) <sup>1</sup> x 1134 mm (W) <sup>1</sup> x 30 mm (D) <sup>2</sup> / 67.80" (L) <sup>1</sup> x 44.65" (W) <sup>1</sup> x 1.18" (D) <sup>2</sup>
Weight	20.2 kg / 44.53 lbs
Solar Cell	Mono/ 182mm x 91mm, 108 monocrystalline cells
Front Glass	3.2 mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector Type	MC4 Staubli
Length of Cable	4mm <sup>2</sup> , 1200mm
Package Configuration	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

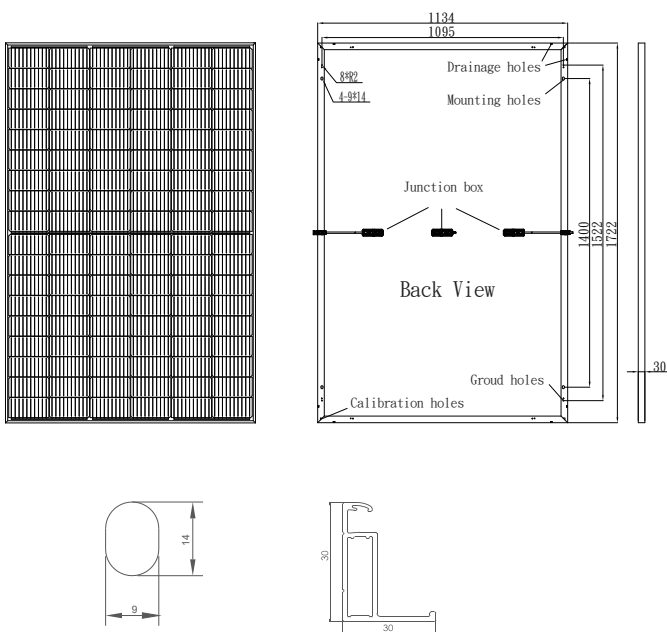
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

### Temperature Characteristics

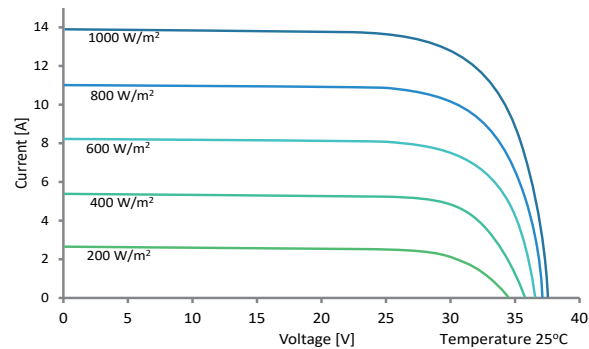
Item	Specification
Nominal Module Operating Temperature	44°C ± 3°C
Temperature Coefficient of Isc	0.05 % / °C
Temperature Coefficient of Voc	-0.275 % / °C
Temperature Coefficient of Pmax	-0.350 % / °C

\*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%.

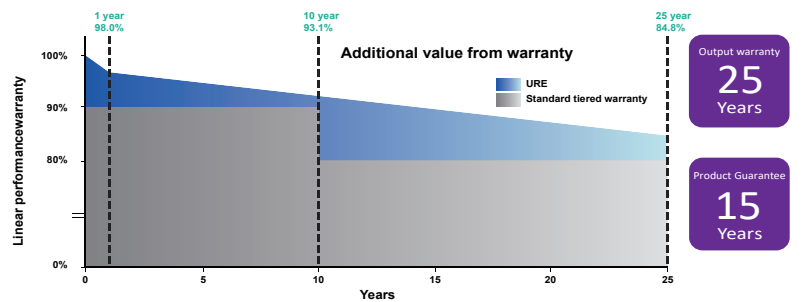
### Engineering Drawing (mm)



### Dependence on Irradiance



### Reliability with Warranty



For more information, please visit us at [www.urecorp.com](http://www.urecorp.com)