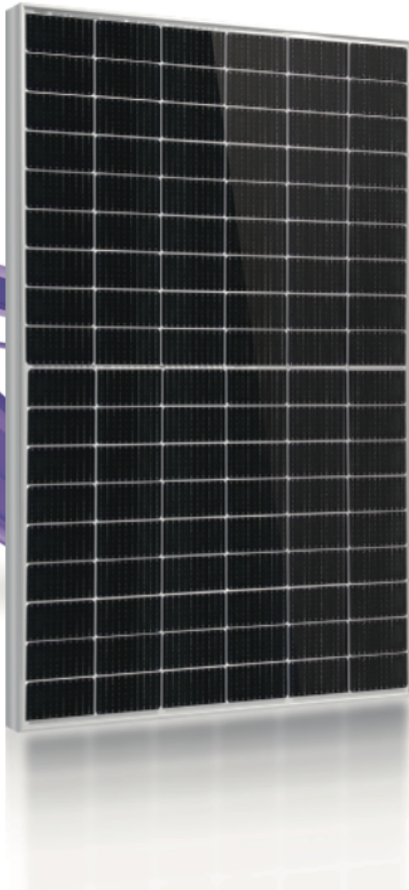




FBK\_MFD / 108 cells  
390W – 415W  
Mono-Crystalline PV Module

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



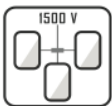
## Key Features



Positive power tolerance  
+0 ~ +5 watt



100% EL inline inspection  
Better module reliability



Design for 1500 VDC  
Reduce the system BOS effectively



PID resistance  
Excellent PID resistance performance



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



## Electrical Data

Model - STC		FBK390MFD	FBK395MFD	FBK400MFD	FBK405MFD	FBK410MFD	FBK415MFD
Maximum Rating Power (Pmax)	[W]	390	395	400	405	410	415
Module Efficiency	[%]	19.94	20.20	20.46	20.71	20.97	21.08
Open Circuit Voltage (Voc)	[V]	36.69	36.93	37.18	37.42	37.66	37.90
Maximum Power Voltage	[V]	30.79	31.03	31.28	31.52	31.76	31.92
Short Circuit Current (Isc)	[A]	13.42	13.48	13.54	13.60	13.66	13.72
Maximum Power Current	[A]	12.67	12.73	12.79	12.85	12.91	12.97

\*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%

\*Assembly: CN

12.97

## 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	20.2 kg / 44.53 lbs
Solar Cell	Mono/ 182mm x 91mm
Front Glass	3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector	Forward 01C1 (MC4 Compatible)
Cable	4mm <sup>2</sup>
Package Configuration	35 pcs Per Pallet, 910 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

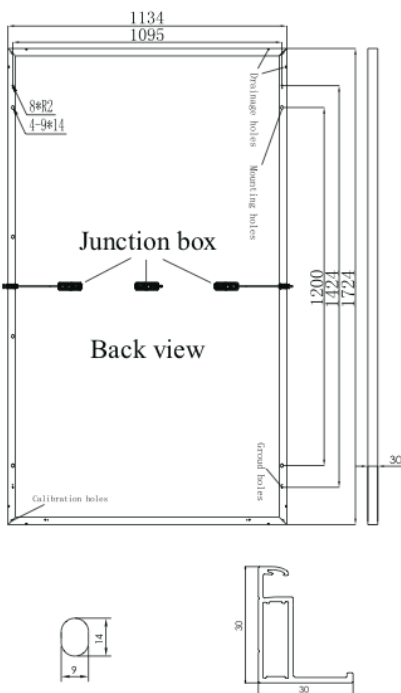
## Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	45°C ± 2°C
Temperature Coefficient of Isc	0.05 % / °C
Temperature Coefficient of Voc	-0.275 % / °C
Temperature Coefficient of Pmax	-0.350 % / °C

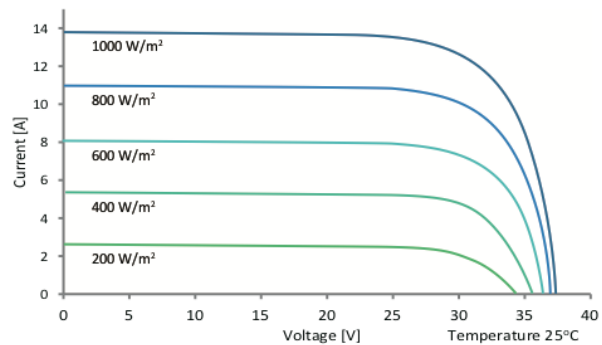
\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.

\*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3.5 ± 2%.

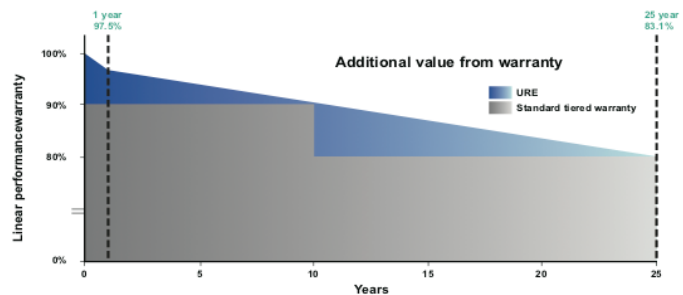
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



Output warranty  
**25**  
Years

Product Guarantee  
**12**  
Years

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