



FBK_MFD / 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



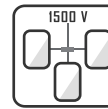
Positive power tolerance
 +0 ~ +5 watt



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



Salt mist, Ammonia Resistant
 According to IEC 61701 Severity 6 /
 IEC 62716



PID resistance
 Excellent PID resistance performance



Electrical Data

Model - STC		FBK390MFD	FBK395MFD	FBK400MFD	FBK405MFD	FBK410MFD
Maximum Rating Power (Pmax)	[W]	390	395	400	405	410
Module Efficiency	[%]	19.97	20.23	20.48	20.74	21.00
Open Circuit Voltage (Voc)	[V]	36.69	36.93	37.18	37.42	37.66
Maximum Power Voltage	[V]	30.79	31.03	31.28	31.52	31.76
Short Circuit Current (Isc)	[A]	13.42	13.48	13.54	13.60	13.66
Maximum Power Current	[A]	12.67	12.73	12.79	12.85	12.91

*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	1722 mm (L) ¹ x 1134 mm (W) ¹ x 30 mm (D) ² / 67.80" (L) ¹ x 44.65" (W) ¹ x 1.18" (D) ²
Weight	20.2 kg / 44.53 lbs
Solar Cell	Mono/ 182mm x 91mm
Front Glass	3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Viny-Acetate)
Frame	Black anodized aluminum alloy
Junction Box	IP68
Connector	MC4 Staubli
Cable	4mm ² , 1200mm in length
Package Configuration	36 pcs Per Pallet, 936 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

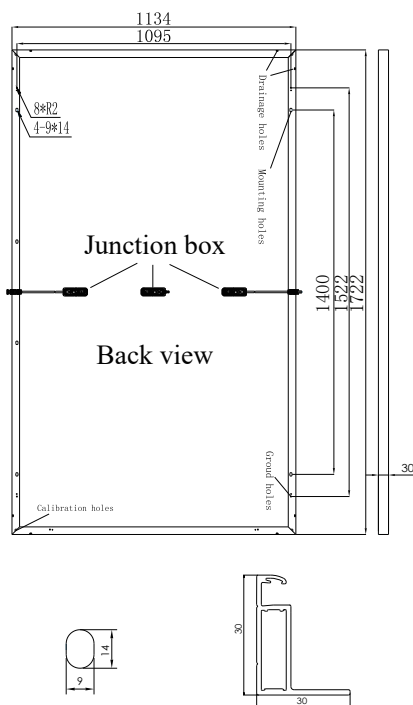
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500V
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

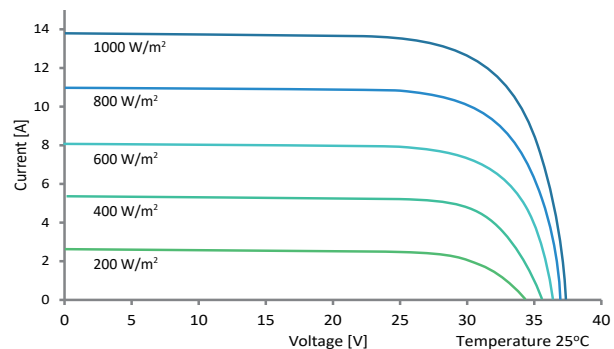
Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.05 % / °C
Temperature Coefficient of Voc	-0.275 % / °C
Temperature Coefficient of Pmax	-0.350 % / °C

*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.
 *Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3.5 ± 2%.

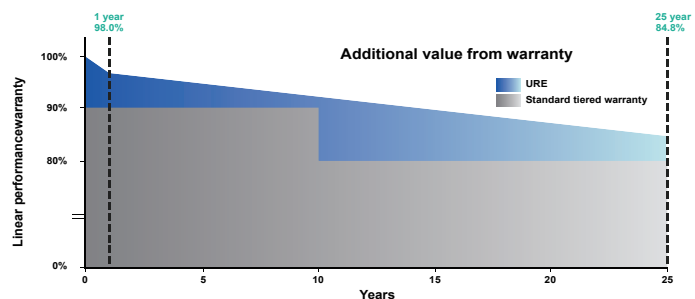
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
 Years

Product Guarantee
12
 Years

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