URECO

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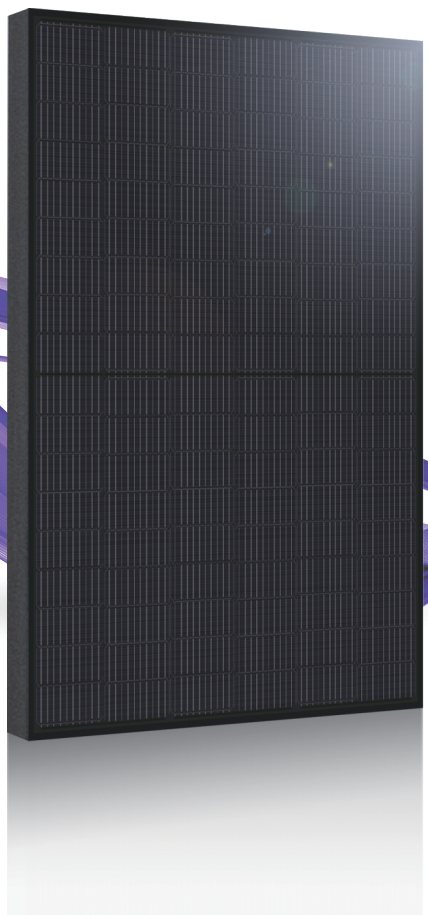
PEACH



FBK_MFD / 108 cells
385W - 405 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

URECO

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

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Electrical Data

Model - STC		FBK385MFD	FBK390MFD	FBK395MFD	FBK400MFD	FBK405MFD
Maximum Rating Power (Pmax)	[W]	385	390	395	400	405
Module Efficiency	[%]	19.72	19.97	20.23	20.48	20.74
Open Circuit Voltage (Voc)	[V]	36.27	36.52	36.77	36.99	37.21
Maximum Power Voltage	[V]	30.32	30.57	30.82	31.04	31.25
Short Circuit Current (Isc)	[A]	13.43	13.49	13.55	13.62	13.69
Maximum Power Current	[A]	12.70	12.76	12.82	12.89	12.96

*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	IP 68
Connector	MC4 Staubli
Cable	4mm²
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

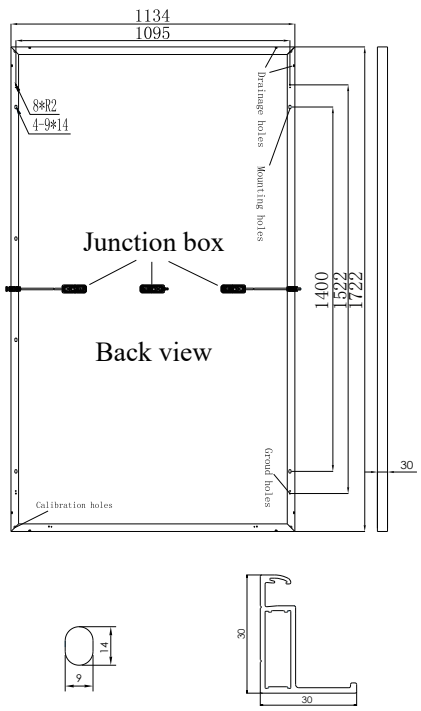
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500V
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

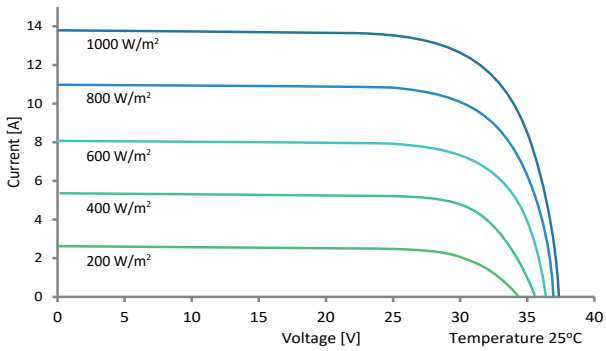
Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.05 % / °C
Temperature Coefficient of Voc	-0.275 % / °C
Temperature Coefficient of Pmax	-0.350 % / °C

*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%.

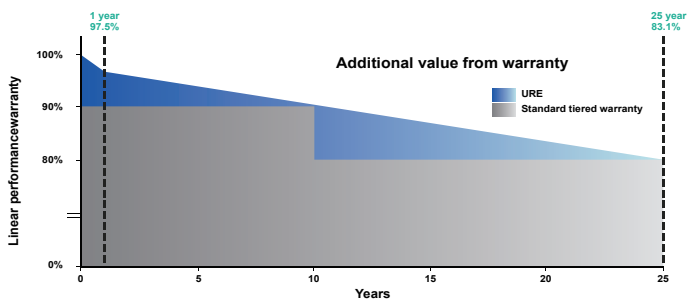
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty 25 Years

Product Guarantee 25 Years

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

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