



FCK_M7D / 120 cells

585W - 605 W

Mono-Crystalline PV Module

United Renewable Energy Co., Ltd. (a company from Taiwan where the sun shines) Peach module uses URECO state-of-the-art cell cutting technology, and advanced module manufacturing experiences.



Key Features



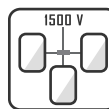
Positive power tolerance
+0 ~ +5 watt



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



PID resistance
Excellent PID resistance performance



Electrical Data

Model - STC		FCK585M7D	FCK590M7D	FCK595M7D	FCK600M7D	FCK605MFD
Maximum Rating Power (Pmax)	[W]	585	590	595	600	605
Module Efficiency	[%]	20.67	20.84	21.02	21.20	21.37
Open Circuit Voltage (Voc)	[V]	40.92	41.11	41.30	41.49	41.70
Maximum Power Voltage	[V]	33.82	34.01	34.20	34.39	34.60
Short Circuit Current (Isc)	[A]	18.35	18.40	18.45	18.50	18.54
Maximum Power Current	[A]	17.30	17.35	17.40	17.45	17.49

*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	2172 mm (L) ¹ x 1303 mm (W) ¹ x 35 mm (D) ² / 85.51" (L) ¹ x 51.30" (W) ¹ x 1.38" (D) ²
Weight	29.9 kg / 65.92 lbs
Solar Cell	Mono/ 210mm x 105mm
Front Glass	3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Viny-Acetate)
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector	MC4 compatible
Cable	4mm ² , portrait: +300mm/-300mm
Package Configuration	31 pcs Per Pallet, 558 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	30 A
Operating Temperature	-40 to 85 °C

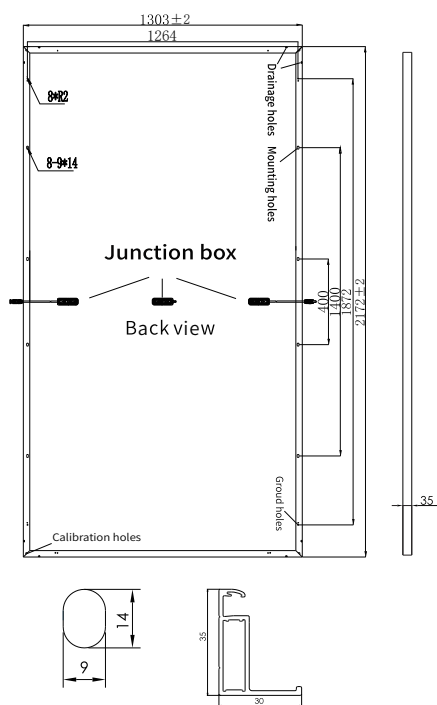
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.04 % / °C
Temperature Coefficient of Voc	-0.25 % / °C
Temperature Coefficient of Pmax	-0.34 % / °C

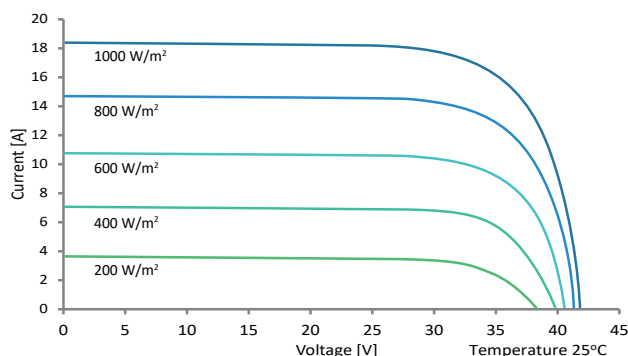
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3.5 ± 2%.

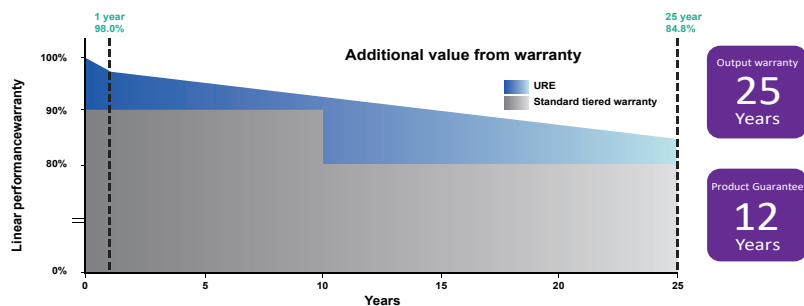
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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

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