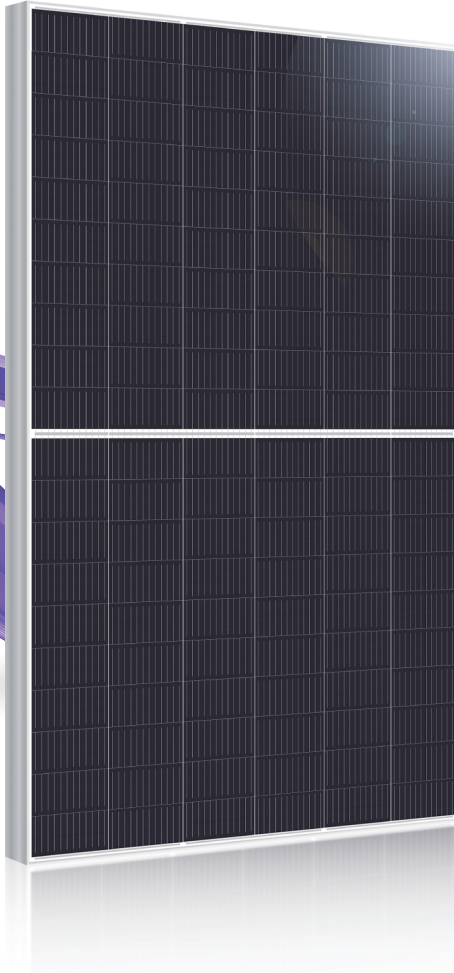


A company from Taiwan where the sun shines  
**URECO**  
 United Renewable Energy Co., Ltd.

EN



**GLORY PEACH**

FCL\_B7D / 120 cells

585W - 605 W

Mono-Crystalline Bifacial PV Module

United Renewable Energy Co., Ltd. (a company from Taiwan where the sun shines) Glory Peach module uses URECO own p-PERC monocrystalline bifacial solar cells, and URECO advanced double glass(G2G) module manufacturing technology.



## Key Features



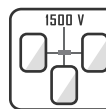
Positive power tolerance  
 +0 ~ +5 watt



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



30-Year  
 Power output warranty

**URECO**  
 A company from Taiwan where the sun shines



## Electrical Data

Model		Bifacial Gain			Bifacial Gain			Bifacial Gain		
		FCL585B7D	5%	10%	FCL590B7D	5%	10%	FCL595B7D	5%	10%
Maximum Rating Power (Pmax)	[W]	585	614	644	590	620	649	595	625	655
Module Efficiency	[%]	20.67	21.70	22.74	20.84	21.88	22.92	21.02	22.07	23.12
Open Circuit Voltage (Voc)	[V]	41.12	41.12	41.12	41.31	41.31	41.31	41.50	41.50	41.50
Maximum Power Voltage	[V]	34.02	34.02	34.02	34.21	34.21	34.21	34.40	34.40	34.40
Short Circuit Current (Isc)	[A]	18.25	19.16	20.08	18.30	19.22	20.13	18.35	19.27	20.19
Maximum Power Current	[A]	17.20	18.06	18.92	17.25	18.11	18.98	17.30	18.17	19.03
Model		FCL600B7D	5%	10%	FCL605B7D	5%	10%			
Maximum Rating Power (Pmax)	[W]	600	630	660	605	635	666			
Module Efficiency	[%]	21.20	22.26	23.32	21.37	22.44	23.51			
Open Circuit Voltage (Voc)	[V]	41.69	41.69	41.69	41.90	41.90	41.90			
Maximum Power Voltage	[V]	34.59	34.59	34.59	34.80	34.80	34.80			
Short Circuit Current (Isc)	[A]	18.40	19.32	20.24	18.44	19.36	20.28			
Maximum Power Current	[A]	17.35	18.22	19.09	17.39	18.26	19.13			

\*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	2172mm (L) <sup>1</sup> x 1303 mm (W) <sup>1</sup> x 35 mm (D) <sup>2</sup> / 85.51" (L) <sup>1</sup> x 51.30" (W) <sup>1</sup> x 1.38" (D) <sup>2</sup>
Weight	35 kg / 77.16 lbs
Solar Cell	Mono/ 210mm x 105mm, 120 monocrystalline cells
Front Glass	2.0mm thickness
Backsheet	2.0mm thickness
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector Type	MC4 Compatible
Length of Cable	4mm <sup>2</sup> , portrait: +300mm/-300mm
Package Configuration	31 pcs Per Pallet, 558 pcs per 40' HQ container

## Operating Conditions

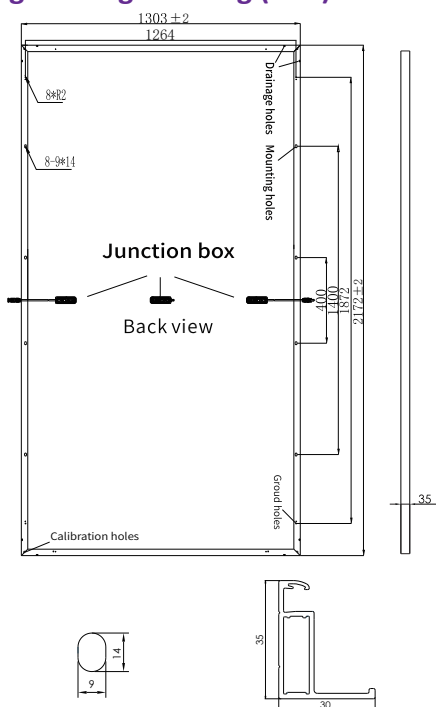
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

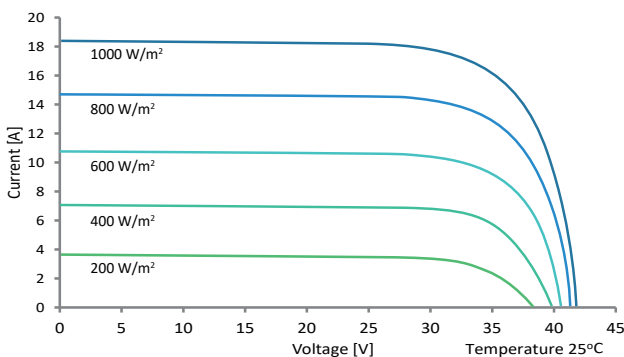
Item	Specification
Nominal Module Operating Temperature	44 °C ± 2 °C
Temperature Coefficient of Isc	0.04 % / °C
Temperature Coefficient of Voc	-0.25 % / °C
Temperature Coefficient of Pmax	-0.34 % / °C

\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/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%.

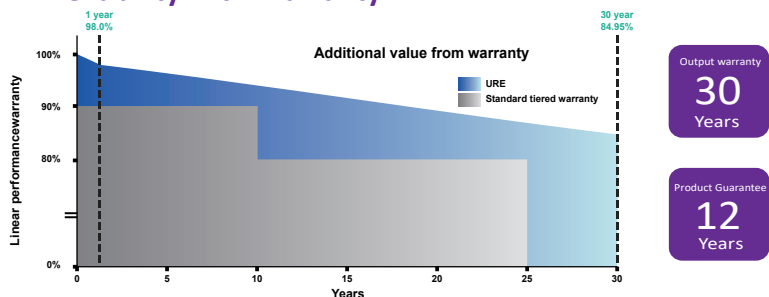
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



Output warranty  
**30**  
Years

Product Guarantee  
**12**  
Years

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