

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

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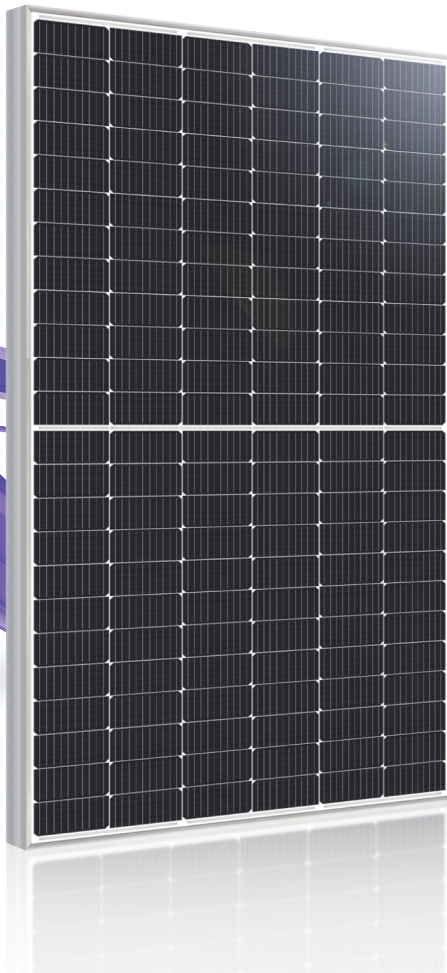
**GLORY PEACH**

FBL\_B8G / 144 cells

535W - 550 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.



UL 61730, CE-compliant  
 Quality Controlled PV-TÜV SUD  
 IEC 61215:2016, IEC 61730:2016

## Key Features



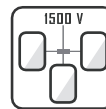
Positive power tolerance  
 +0 ~ +5 watt



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



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



Fire resistance  
 Class of reaction to Type 29/ Class C

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## Electrical Data

Model		Bifacial Gain			Bifacial Gain		
		FBL535B8G	5%	10%	FBL540B8G	5%	10%
Maximum Rating Power (Pmax)	[W]	535	562	589	540	567	594
Module Efficiency	[%]	20.71	21.75	22.78	20.90	21.95	22.99
Open Circuit Voltage (Voc)	[V]	49.50	49.50	49.50	49.65	49.65	49.65
Maximum Power Voltage	[V]	41.50	41.50	41.50	41.65	41.65	41.65
Short Circuit Current (Isc)	[A]	13.78	14.47	15.16	13.85	14.54	15.24
Maximum Power Current	[A]	12.90	13.55	14.19	12.97	13.62	14.27
Model		FBL545B8G	5%	10%	FBL550B8G	5%	10%
Maximum Rating Power (Pmax)	[W]	545	572	600	550	578	605
Module Efficiency	[%]	21.10	22.16	23.21	21.29	22.35	23.42
Open Circuit Voltage (Voc)	[V]	49.81	49.81	49.81	49.92	49.92	49.92
Maximum Power Voltage	[V]	41.80	41.80	41.80	42.00	42.00	42.00
Short Circuit Current (Isc)	[A]	13.92	14.62	15.31	13.99	14.69	15.39
Maximum Power Current	[A]	13.04	13.69	14.34	13.10	13.76	14.41

\*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	2278 mm (L) <sup>1</sup> x 1134 mm (W) <sup>1</sup> x 35 mm (D) <sup>2</sup> / 89.69" (L) <sup>1</sup> x 44.65" (W) <sup>1</sup> x 1.38" (D) <sup>2</sup>
Weight	32.7kg / 72.09 lbs
Solar Cell	12x12 pieces bifacial monocrystalline solar cells series strings
Front Glass	AR-coating Semi-toughened glass, 2.0 mm
Rear Glass	Glazed & Semi-toughened glass, 2.0 mm
Frame	Silver anodized aluminum profile
Cell Encapsulation	EVA(Ethylene-Vinyl-Acetate) or POE
Junction Box	IP68, 3 diodes
Cable	Potrait : 500 mm (cable length can be customized), 1 x 4 mm <sup>2</sup>
Connector	Compatible with MC4
Package Configuration	30 pcs Per Pallet, 570 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

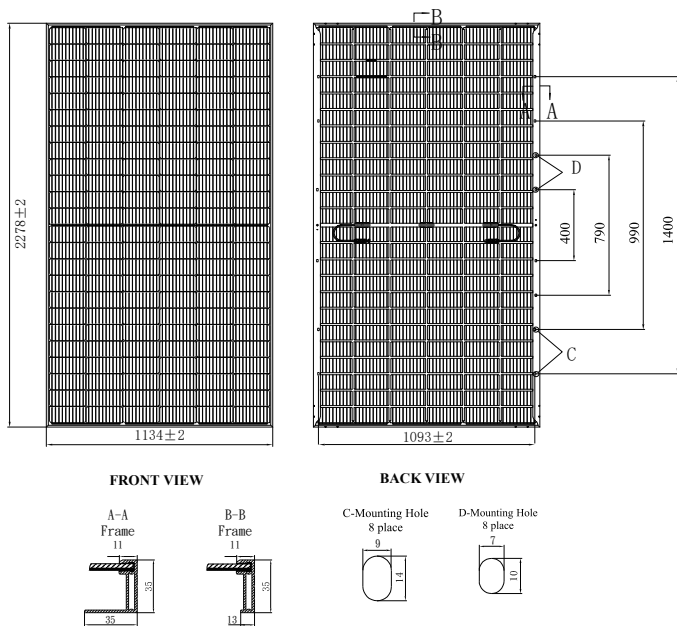
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

## Temperature Characteristics

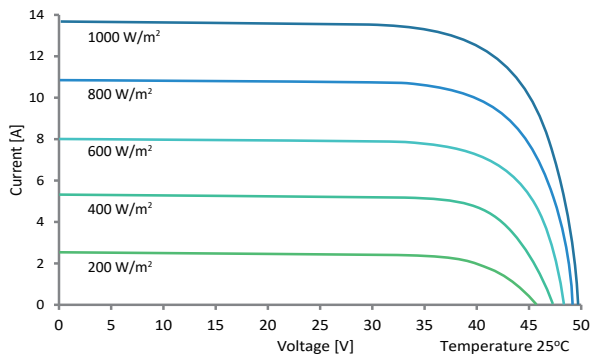
Item	Specification
Nominal Module Operating Temperature	45 °C ± 2 °C
Temperature Coefficient of Isc	0.048 % / °C
Temperature Coefficient of Voc	-0.27 % / °C
Temperature Coefficient of Pmax	-0.32 % / °C

\*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%.

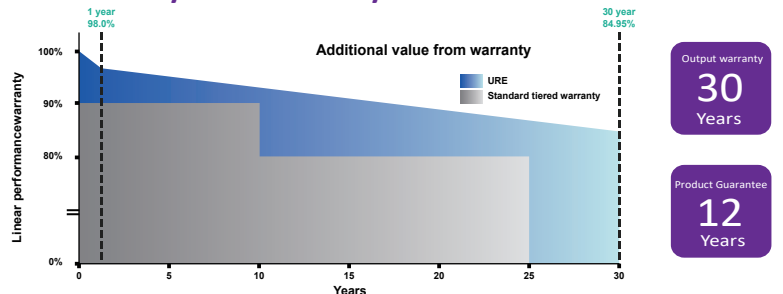
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



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