

A company from Taiwan where the sun shines

URECO

United Renewable Energy Co., Ltd.

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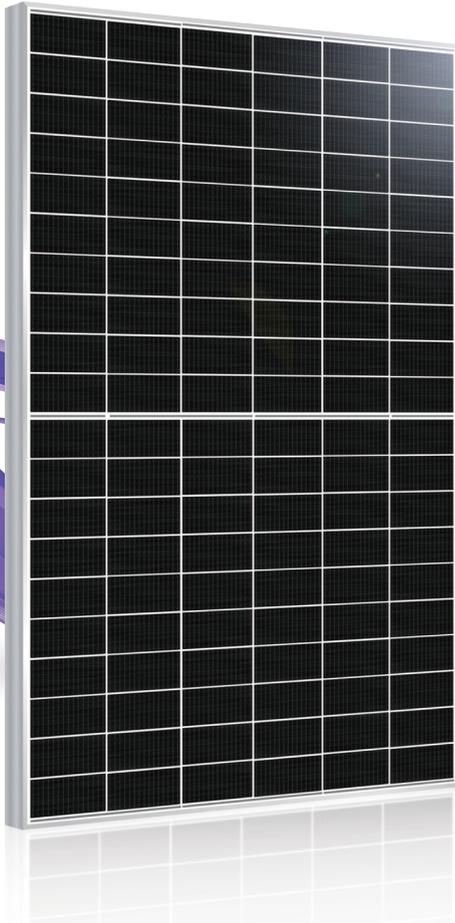
GLORY TOPCon

FCF_B7D / 120 cells

600 W - 620 W

Mono-Crystalline Bifacial PV Module

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



Key Features



SMBB cell design
Better reliability



Better bifaciality
Up to 85% bifaciality



PID resistance
Excellent PID resistance performance



Enhanced performance warranty
Zero light induced degradation effect/
Excellent low light performance



30-Year
Power output warranty



Superior temperature coefficient
Better performance in high temperature


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Electrical Data

Model		Bifacial Gain			Bifacial Gain			Bifacial Gain		
		FCF600B7D	5%	10%	FCF605B7D	5%	10%	FCF610B7D	5%	10%
Maximum Rating Power (Pmax)	[W]	600	630	660	605	635	666	610	641	671
Module Efficiency	[%]	21.20	22.26	23.32	21.38	22.45	23.52	21.55	22.63	23.71
Open Circuit Voltage (Voc)	[V]	42.42	42.42	42.42	42.62	42.62	42.62	42.83	42.83	42.83
Maximum Power Voltage	[V]	35.30	35.30	35.30	35.51	35.51	35.51	35.74	35.74	35.74
Short Circuit Current (Isc)	[A]	18.01	18.91	19.81	18.05	18.95	19.86	18.08	18.98	19.89
Maximum Power Current	[A]	17.00	17.85	18.70	17.04	17.89	18.74	17.07	17.92	18.78
Model		FCF615B7D	5%	10%	FCF620B7D	5%	10%			
Maximum Rating Power (Pmax)	[W]	615	646	677	620	651	682			
Module Efficiency	[%]	21.73	22.82	23.90	21.91	23.01	24.10			
Open Circuit Voltage (Voc)	[V]	43.05	43.05	43.05	43.27	43.27	43.27			
Maximum Power Voltage	[V]	35.97	35.97	35.97	36.18	36.18	36.18			
Short Circuit Current (Isc)	[A]	18.12	19.03	19.93	18.16	19.07	19.98			
Maximum Power Current	[A]	17.10	17.96	18.81	17.14	18.00	18.85			

*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	2172mm (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	35 kg / 77.16 lbs
Solar Cell	N-type Mono/ 210mm x 105mm, 120 monocrystalline cells
Front Glass	2.0mm thickness
Rear Glass	2.0mm thickness
Cell Encapsulation	POE/ EPE/ EVA
Frame	Anodized aluminum alloy
Junction Box	IP68
Connector Type	MC4 Compatible
Length of Cable	4mm ² , portrait: +300mm/-300mm
Package Configuration	31 pcs Per Pallet, 558 pcs per 40' HQ container

Operating Conditions

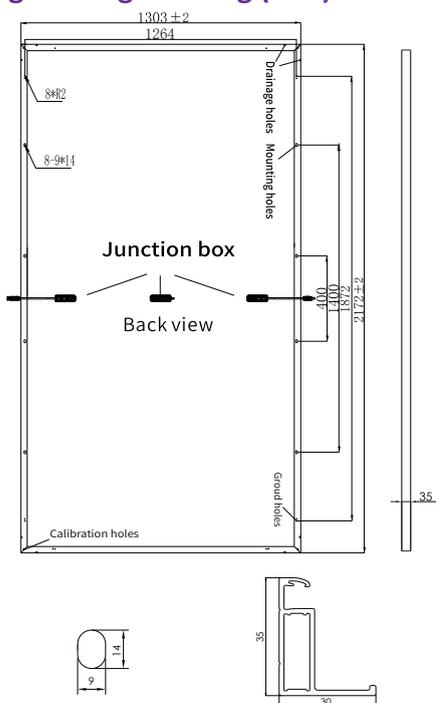
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

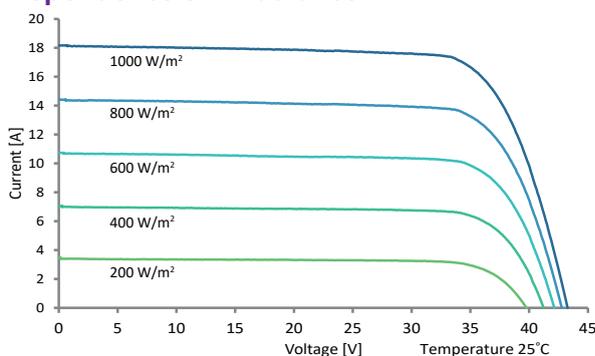
Item	Specification
Nominal Module Operating Temperature	44 °C ± 2 °C
Temperature Coefficient of Isc	0.04 % / °C
Temperature Coefficient of Voc	-0.25 % / °C
Temperature Coefficient of Pmax	-0.30 % / °C

*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%.

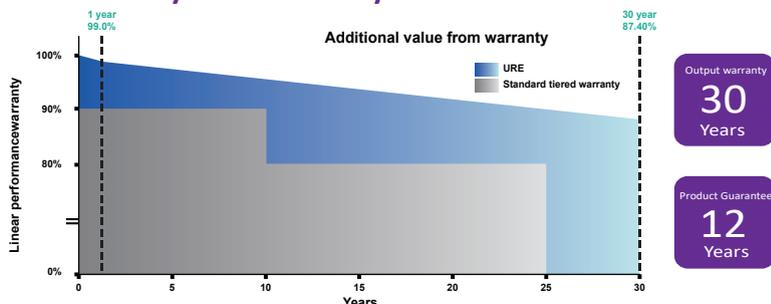
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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