



GLORY TOPCon

FBF_B8F / 144 cells

570 W - 595 W

Mono-Crystalline Bifacial PV Module

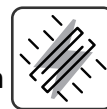
United Renewable Energy Co., Ltd. (a company from Taiwan where the sun shines) Glory TOPCon module uses URECO TOPCon monocrystalline bifacial solar cells, and URECO advanced double glass(G2G) module manufacturing technology.



Key Features



Multi-Bus bar/ TLS technology
Increase the stability of outdoor power generation



Better bifaciality
High bifacial rate



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



Electrical Data

Model		Bifacial Gain			Bifacial Gain			Bifacial Gain		
		FBF570B8F	5%	10%	FBF575B8F	5%	10%	FBF580B8F	5%	10%
Maximum Rating Power (Pmax)	[W]	570	599	627	575	604	633	580	609	638
Module Efficiency	[%]	22.07	23.17	24.28	22.26	23.37	24.49	22.45	23.57	24.70
Open Circuit Voltage (Voc)	[V]	51.37	51.37	51.37	51.57	51.57	51.57	51.77	51.77	51.77
Maximum Power Voltage	[V]	44.07	44.07	44.07	44.25	44.25	44.25	44.43	44.43	44.43
Short Circuit Current (Isc)	[A]	13.70	14.39	15.05	13.76	14.45	15.14	13.82	14.51	15.20
Maximum Power Current	[A]	12.93	13.58	14.22	12.99	13.64	14.29	13.05	13.70	14.36
Model		FBF585B8F	5%	10%	FBF590B8F	5%	10%	FBF595B8F	5%	10%
Maximum Rating Power (Pmax)	[W]	585	614	644	590	620	649	595	625	655
Module Efficiency	[%]	22.65	23.78	24.92	22.84	23.98	25.12	23.03	24.18	25.33
Open Circuit Voltage (Voc)	[V]	51.97	51.97	51.97	52.17	52.17	52.17	52.37	52.37	52.37
Maximum Power Voltage	[V]	44.61	44.61	44.61	44.79	44.79	44.79	44.97	44.97	44.97
Short Circuit Current (Isc)	[A]	13.88	14.57	15.27	13.94	14.64	15.33	14.00	14.70	15.40
Maximum Power Current	[A]	13.11	13.77	14.42	13.17	13.83	14.49	13.23	13.89	14.55

*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	2278mm (L) ¹ x 1134 mm (W) ¹ x 30 mm (D) ² / 89.69" (L) ¹ x 44.65" (W) ¹ x 1.18" (D) ²
Weight	31.5 kg / 69.45 lbs
Solar Cell	N-type Mono, 144 monocrystalline cells
Front Glass	Heat strengthened glass, 2.0mm thickness
Rear Glass	Heat strengthened glass, 2.0mm thickness
Frame	Anodized aluminum alloy
Junction Box	IP68 (3 diodes)
Connector Type	MC4 Compatible
Length of Cable	4mm ² , Portrait: +300mm/ -180mm Cable length can be customized
Package Configuration	36 pcs Per Pallet, 720 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

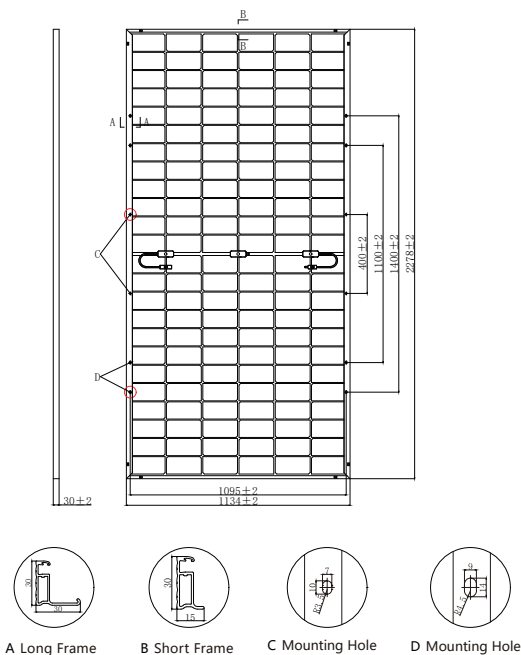
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

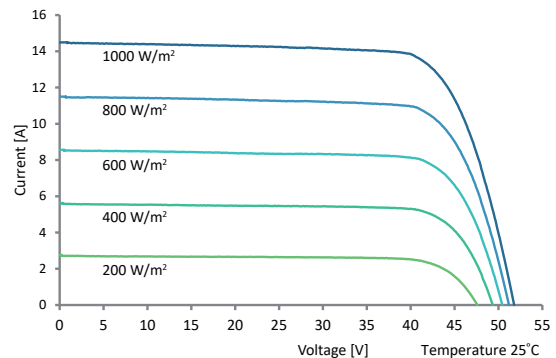
Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.045 % / °C
Temperature Coefficient of Voc	-0.250 % / °C
Temperature Coefficient of Pmax	-0.280 % / °C

*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%.

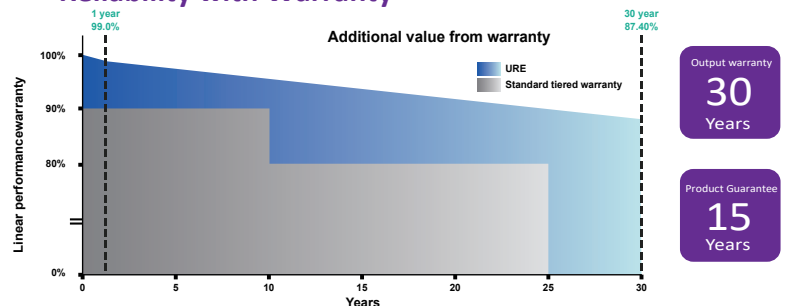
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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