

GLORY HELLO

FCG_BEY / 132 cells

680W - 700 W

Mono-Crystalline Bifacial PV Module

URECO Glory Hello module uses URECO own N-type HJT monocrystalline bifacial solar cells, and URECO advanced double glass(G2G) module manufacturing technology.



Key Features



SMBB cell design
Half-cut cell technology



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



Electrical Data

Model		Bifacial Gain			Bifacial Gain			Bifacial Gain		
		FCG680BEY	5%	10%	FCG685BEY	5%	10%	FCG690BEY	5%	10%
Maximum Rating Power (Pmax)	[W]	680	714	748	685	719	754	690	725	759
Module Efficiency	[%]	21.89	22.98	24.08	22.05	23.15	24.26	22.21	23.32	24.43
Open Circuit Voltage (Voc)	[V]	49.50	49.50	49.50	49.66	49.66	49.66	49.82	49.82	49.82
Maximum Power Voltage	[V]	41.49	41.49	41.49	41.65	41.65	41.65	41.80	41.80	41.80
Short Circuit Current (Isc)	[A]	17.19	18.05	18.91	17.25	18.11	18.98	17.31	18.18	19.04
Maximum Power Current	[A]	16.39	17.21	18.03	16.45	17.27	18.10	16.51	17.34	18.16
Model		FCG695BEY	5%	10%	FCG700BEY	5%	10%			
Maximum Rating Power (Pmax)	[W]	695	730	765	700	735	770			
Module Efficiency	[%]	22.37	23.49	24.61	22.53	23.66	24.78			
Open Circuit Voltage (Voc)	[V]	49.98	49.98	49.98	50.13	50.13	50.13			
Maximum Power Voltage	[V]	41.95	41.95	41.95	42.10	42.10	42.10			
Short Circuit Current (Isc)	[A]	17.37	18.24	19.11	17.43	18.30	19.17			
Maximum Power Current	[A]	16.57	17.40	18.23	16.63	17.46	18.29			

*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	2384mm (L) ¹ x 1303 mm (W) ¹ x 35 mm (D) ² / 93.86" (L) ¹ x 51.30" (W) ¹ x 1.38" (D) ²
Weight	38.7 kg / 85.31 lbs
Solar Cell	HJT Mono 210mm x 105mm
Front Glass	2.0 mm Anti-reflective surface Solar glass
Back Cover	2.0 mm Solar glass
Cell Encapsulant	EPE
Frame	Anodized aluminum alloy
Junction Box	IP 68
Connector type	MC4 Compatible
Cable Type	4mm ² , 200mm in length, length can be customized
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

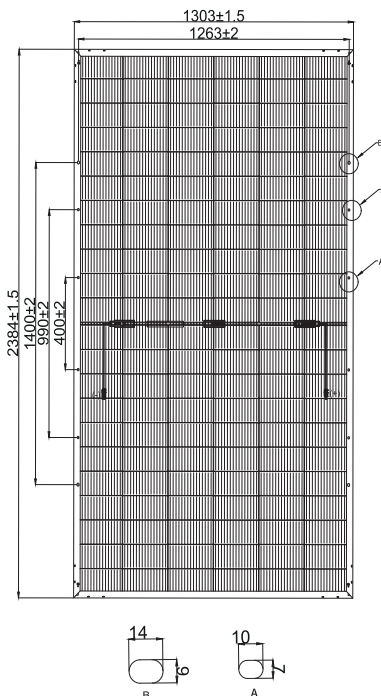
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

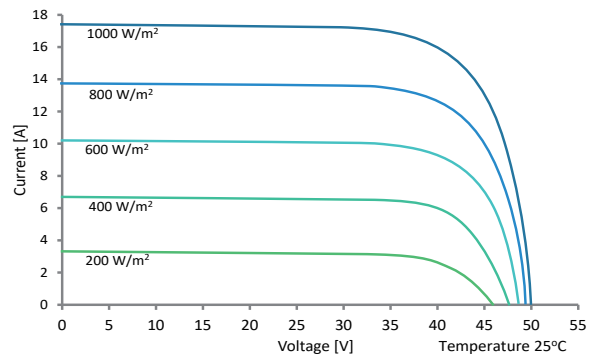
Item	Specification
Nominal Module Operating Temperature	44 °C ± 2 °C
Temperature Coefficient of Isc	0.04 % / °C
Temperature Coefficient of Voc	-0.24 % / °C
Temperature Coefficient of Pmax	-0.26 % / °C

*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%.

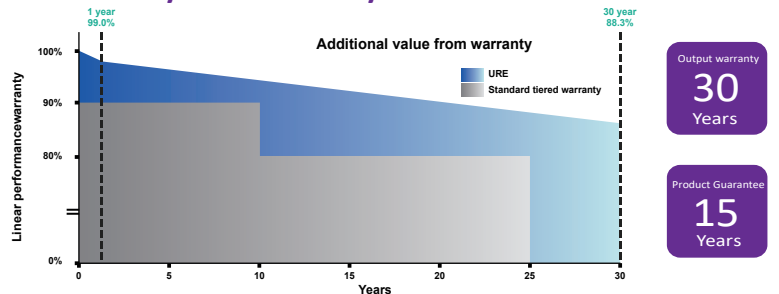
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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