A company from Taiwan where the sun shines

URECO

United Renewable Energy Co., Ltd.

Prototype

EN



GLORY TOPCon

DJF_OEA / 132 cells
610 W - 635 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

Excellent low light performance
First year power degradation 1%
Annual degradation 0.4% each year

Superior temperature coefficient
Better performance in high temperature

Withstand heavy loading
Equivalent to the Beaufort wind scale 17 validation

NO Water pollution concern
PASS the water quality standard by E.P.A

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

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Electrical Data

Model		DJF610OEA	Bifacial Gain 5%	Bifacial Gain 10%	DJF615OEA	Bifacial Gain 5%	Bifacial Gain 10%	DJF620OEA	Bifacial Gain 5%	Bifacial Gain 10%
Maximum Rating Power (Pmax)	[W]	610	641	671	615	646	677	620	651	682
Module Efficiency	[%]	22.58	23.71	24.84	22.77	23.91	25.05	22.95	24.10	25.25
Open Circuit Voltage (Voc)	[V]	48.30	48.30	48.30	48.50	48.50	48.50	48.70	48.70	48.70
Maximum Power Voltage	[V]	40.83	40.83	40.83	41.03	41.03	41.03	41.23	41.23	41.23
Short Circuit Current (Isc)	[A]	15.85	16.64	17.44	15.90	16.70	17.49	15.95	16.75	17.55
Maximum Power Current	[A]	14.94	15.69	16.43	14.99	15.74	16.49	15.04	15.79	16.54
Model		DJF625OEA	5%	10%	DJF630OEA	5%	10%	DJF635OEA	5%	10%
Maximum Rating Power (Pmax)	[W]	625	656	688	630	662	693	635	667	699
Module Efficiency	[%]	23.14	24.30	25.45	23.32	24.49	25.65	23.51	24.69	25.86
Open Circuit Voltage (Voc)	[V]	48.90	48.90	48.90	49.10	49.10	49.10	49.30	49.30	49.30
Maximum Power Voltage	[V]	41.45	41.45	41.45	41.67	41.67	41.67	41.89	41.89	41.89
Short Circuit Current (Isc)	[A]	16.00	16.80	17.60	16.05	16.85	17.66	16.10	16.91	17.71
Maximum Power Current	[A]	15.08	15.83	16.59	15.12	15.88	16.63	15.16	15.92	16.68

*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	2382 mm (L)[1] x 1134 mm (W)[1] x 35 mm (D)[2] / 93.78" (L)[1] x 44.65" (W)[1] x 1.38" (D)[2]
Weight	33.60 kg / 74.08 lbs
Solar Cell	132 half-cut monocrystalline N-type TOPCon cells
Front Glass	2.0mm AR-Coating, strengthened glass
Rear Glass	2.0mm strengthened glass with grid pattern
Frame	Anodized aluminum alloy
Junction Box	IP68, 3diodes
Cables	4.0mm² (IEC), 12AWG (UL) Lenght: 1200 mm (cable length can be customized)
Connectors	EVO2A (1500V)
Package Configuration	30 pcs Per Pallet, 510 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

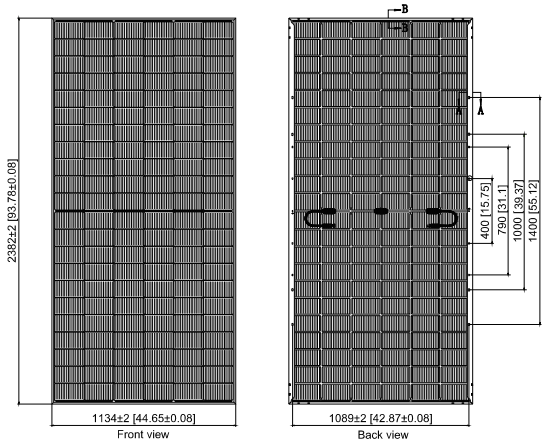
Item	Specification
Mechanical Load	7200 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

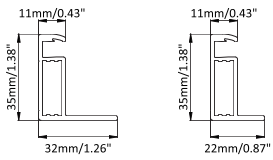
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	45°C ± 2°C
Temperature Coefficient of Isc	0.046 % / °C
Temperature Coefficient of Voc	-0.25 % / °C
Temperature Coefficient of Pmax	-0.29 % / °C

*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

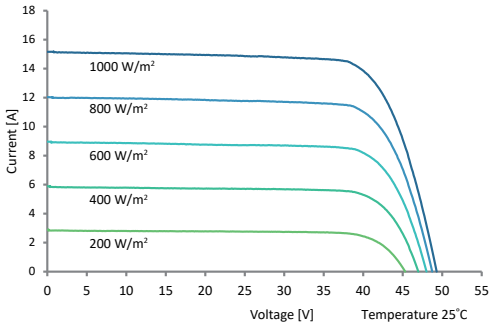
Engineering Drawing (mm)



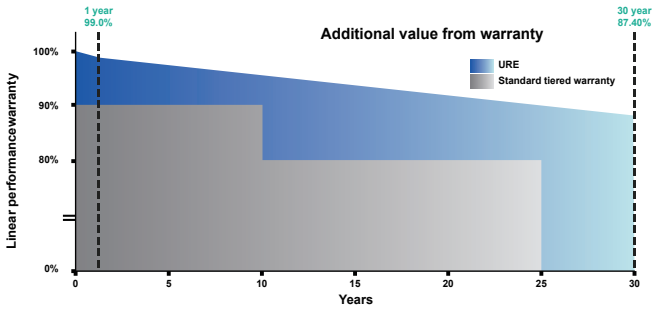


A-A Section View B-B Section View

Dependence on Irradiance



Reliability with Warranty



Output warranty 30 Years

Product Guarantee 15 Years

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

United Renewable Energy Co., Ltd.

Taipei Office
9F, No. 295, Tiding Blvd. Sec. 2
Taipei, Taiwan 11493
Tel : +886-2-2656-2000
Fax : +886-2-2656-0593
e-mail : sales@urecorp.com

Headquarters
No. 7, Li-Hsin 3rd Road, Hsinchu Science Park
Hsinchu city 30078, Taiwan
Tel : +886-3-578-0011
Fax : +886-3-578-1255