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EnergyPal

Solar Panel Guide Specification Data Sheet

United Renewable Energy Co., Ltd.

D6L_L3A / 60 cells

D6L300L3A

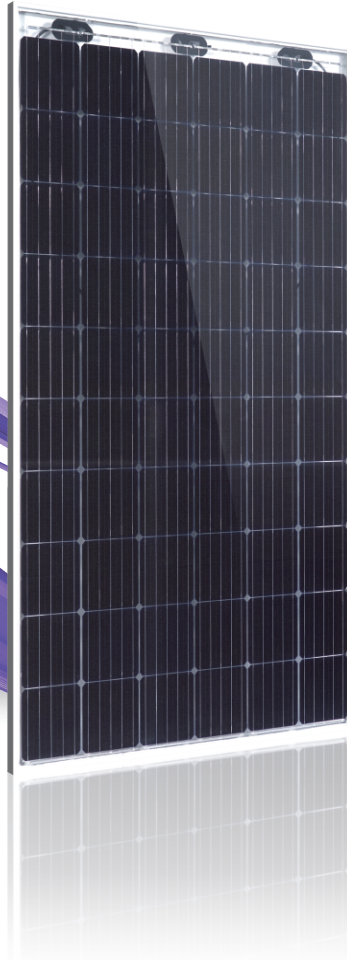
Also available on the web at
EnergyPal.com/united-renewable-energy-co-ltd-solar-panels/d6l300l3a



GLORY BIFI

D6L_L3A / 60 cells
 295W - 310 W
 Mono-Crystalline PV Module

URE Glory BiFi module uses URE own p-PERC mono crystalline bifacial solar cells, and URE advanced double glass (G2G) module manufacturing technology.



Key Features



Positive power tolerance
 +0 ~ +4.99 watt



100% EL inline inspection
 Better module reliability



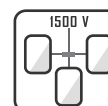
Withstand heavy loading
 front load 8100 Pa & rear load 5400 Pa



Ammonia resistance
 According to IEC 62716 Ed. 1

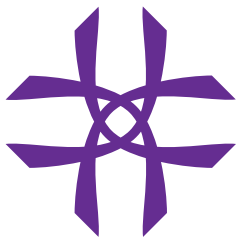


30-Year
 Power output warranty



Design for 1500 VDC
 Reduce the system BOS effectively





URE

United Renewable Energy Co., Ltd.

Electrical Data

Model		Bifacial Gain			Bifacial Gain		
		D6L295L3A	5%	10%	D6L300L3A	5%	10%
Maximum Rating Power (Pmax)	[W]	295	310	325	300	315	330
Module Efficiency	[%]	17.6	18.5	19.4	17.9	18.8	19.7
Open Circuit Voltage (Voc)	[V]	39.47	39.47	39.47	39.61	39.61	39.61
Maximum Power Voltage	[V]	32.14	32.14	32.14	32.39	32.39	32.39
Short Circuit Current (Isc)	[A]	9.76	10.25	10.74	9.85	10.34	10.84
Maximum Power Current	[A]	9.18	9.64	10.10	9.27	9.73	10.20
Model		D6L305L3A	5%	10%	D6L310L3A	5%	10%
Maximum Rating Power (Pmax)	[W]	305	320	336	310	326	341
Module Efficiency	[%]	18.2	19.1	20.0	18.5	19.4	20.3
Open Circuit Voltage (Voc)	[V]	39.71	39.71	39.71	39.89	39.82	39.82
Maximum Power Voltage	[V]	32.50	32.50	32.50	32.68	32.68	32.68
Short Circuit Current (Isc)	[A]	9.91	10.41	10.90	9.95	10.45	10.95
Maximum Power Current	[A]	9.39	9.86	10.33	9.49	9.96	10.44

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5

*Values without tolerance are typical numbers.

Mechanical Data

Item	Specification
Dimensions	1681 mm (L) ¹ x 998 mm (W) ¹ x 35 mm (D) / 66.2" (L) ¹ x 39.3" (W) ¹ x 1.38" (D)
Weight	25 kg / 55.1 lbs
Solar Cell	60 monocrystalline 6" p-PERC bifacial solar cells
Front Glass	Anti-reflective tempered patterned glass, 2.5 mm
Cell Encapsulation	Polyolefin
Rear Glass	Tempered pattern glass, 2.5 mm
Junction Box	IP 68 rated; Cable: 1,000 mm
Frame	Anodized aluminum frame, original or black
Packaging Configuration	30 pcs Per Pallet, 780 pcs per 40' HQ container

¹: With assembly tolerance of ± 2 mm [± 0.08"]

Operating Conditions

Item	Specification
Mechanical Load	8100 Pa by IEC 61215
Maximum System Voltage	TUV 1500 VDC (IEC)
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

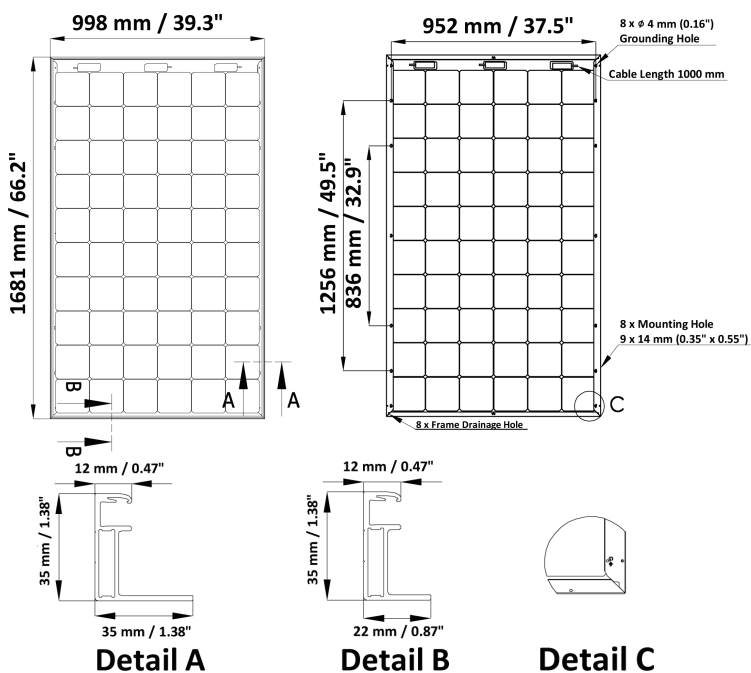
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	40.6°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.28 % / °C
Temperature Coefficient of Pmax	-0.38 % / °C

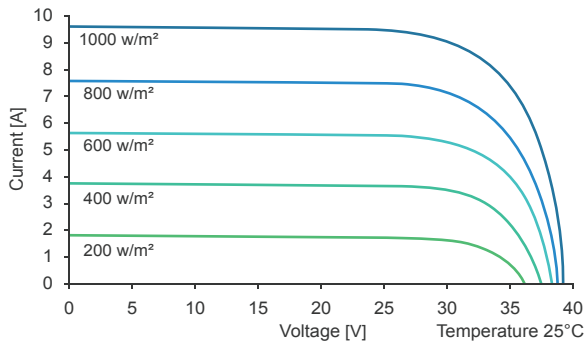
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3 ± 2%.

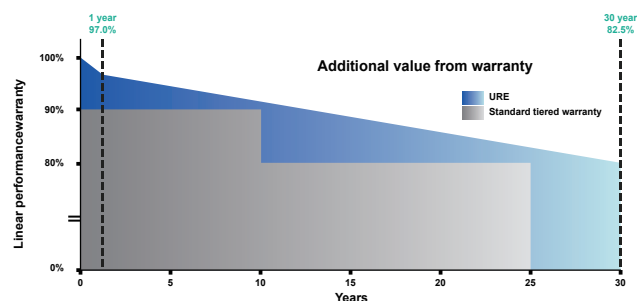
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
30
Years

Product Guarantee
15
Years

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