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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**United Renewable Energy Co., Ltd.  
D7M/D7K\_H7A / 120 cells 310W-335W  
D6M335H7A**

Also available on the web at  
[EnergyPal.com/united-renewable-energy-co-ltd-solar-panels/d6m335h7a](http://EnergyPal.com/united-renewable-energy-co-ltd-solar-panels/d6m335h7a)



## PEACH

D7M\_H7A / 120 cells (IEC 1000V)

D7K\_H7A / 120 cells (UL 1500V)

310W - 335 W

Mono-Crystalline PV Module

URE Peach module uses URE state-of-the-art cell cutting technology, and advanced module manufacturing experiences.



## Key Features



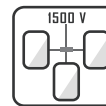
Positive power tolerance  
+0 ~ +4.99 watt



100% EL inline inspection  
Better module reliability



Withstand heavy loading  
front load 5400 Pa & rear load 2400 Pa

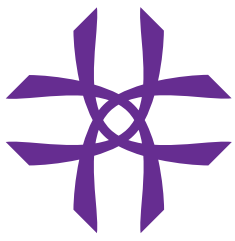


Design for 1500 VDC  
Reduce the system BOS effectively



Excellent low light performance  
3.5% relative eff. Reduction at low-irradiance (200W/m<sup>2</sup>)





# URE

United Renewable Energy Co., Ltd.

## Electrical Data

Model - STC		D7M310H7A D7K310H7A	D7M315H7A D7K315H7A	D7M320H7A D7K320H7A	D7M325H7A D7K325H7A	D7M330H7A D7K330H7A	D7M335H7A D7K335H7A
Maximum Rating Power (Pmax)	[W]	310	315	320	325	330	335
Module Efficiency	[%]	18.7	19.0	19.3	19.6	19.9	20.2
Open Circuit Voltage (Voc)	[V]	40.09	40.15	40.20	40.25	40.30	40.35
Maximum Power Voltage	[V]	33.09	33.18	33.26	33.34	33.43	33.51
Short Circuit Current (Isc)	[A]	9.86	10.00	10.14	10.28	10.42	10.56
Maximum Power Current	[A]	9.37	9.49	9.62	9.75	9.87	10.00

\*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5

\*Values without tolerance are typical numbers.

## Mechanical Data

Item	Specification
Dimensions	1675 mm (L) <sup>1</sup> x 992 mm (W) <sup>1</sup> x 35 mm (D) <sup>2</sup> / 65.9" (L) <sup>1</sup> x 39.1" (W) <sup>1</sup> x 1.38" (D) <sup>2</sup>
Weight	19 kg / 41.9 lbs
Solar Cell	120 half-cut monocrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP 68 rated
Frame	Anodized aluminum frame, original or black
Packaging Configuration	30 pcs Per Pallet, 896 pcs per 40' HQ container

<sup>1</sup> : With assembly tolerance of ± 2 mm [ ± 0.08"]

<sup>2</sup> : With assembly tolerance of ± 0.8 mm [ ± 0.03"]

## Operating Conditions

Item	Specification
Mechanical Load (Test Load)	5400 Pa acc. to IEC 61215
Maximum System Voltage	IEC 1000 VDC / UL 1500 VDC
Series Fuse Rating	18 A
Operating Temperature	-40 to 85 °C

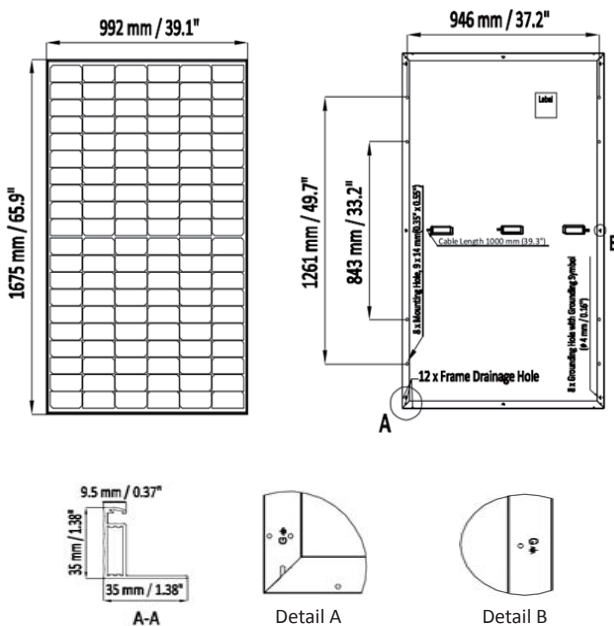
## Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.107 % / °C
Temperature Coefficient of Voc	-0.320 % / °C
Temperature Coefficient of Pmax	-0.367 % / °C

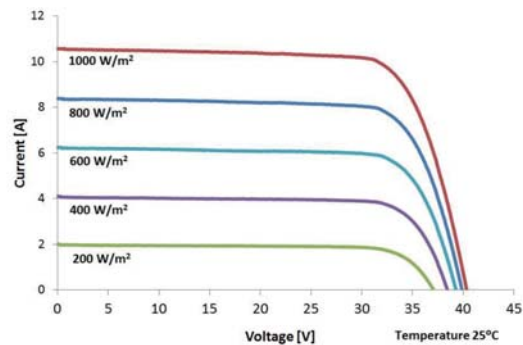
\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.

\*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3 ± 2%.

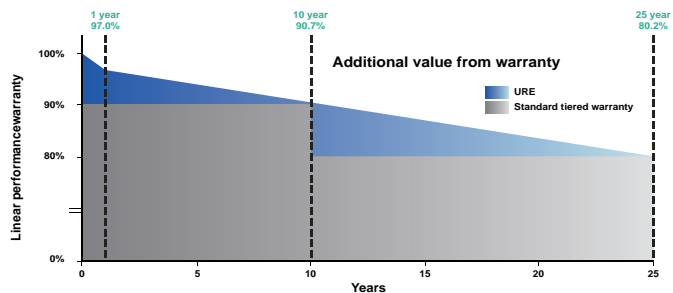
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



Output warranty  
**25**  
Years

Product Guarantee  
**10**  
Years

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