



D2K\_H8A / 144 cells

400 W - 420 W

Mono-Crystalline PV Module

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



## Key Features



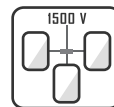
**High Efficiency**  
High module conversion efficiency to 20.67%



**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

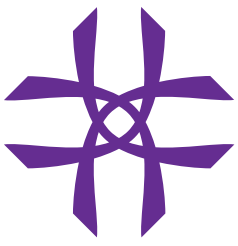


**NO Water pollution concern**  
PASS the water quality standard by E.P.A



**Salt mist, Ammonia Resistant**  
According to IEC 61701 Severity 6 / IEC 62716





# URE

United Renewable Energy Co., Ltd.

## Electrical Data

Model - STC		D2K400H8A	D2K405H8A	D2K410H8A	D2K415H8A	D2K420H8A
Maximum Rating Power (Pmax)	[W]	400	405	410	415	420
Module Efficiency	[%]	19.68	19.93	20.18	20.42	20.67
Open Circuit Voltage (Voc)	[V]	48.46	48.47	48.49	48.51	48.52
Maximum Power Voltage	[V]	40.20	40.28	40.36	40.44	40.52
Short Circuit Current (Isc)	[A]	10.55	10.67	10.75	10.85	10.95
Maximum Power Current	[A]	9.95	10.05	10.16	10.26	10.37
Positive Power Tolerance		0~3%				

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

\*Values without tolerance are typical numbers. Measurement tolerance: ±3%

## Mechanical Data

Item	Specification
Dimensions	2028 mm (L) <sup>1</sup> x 1002 mm (W) <sup>1</sup> x 40 mm (D) <sup>2</sup> / 79.84" (L) <sup>1</sup> x 39.45" (W) <sup>1</sup> x 1.57" (D) <sup>2</sup>
Weight	23.6 kg / 51.92 lbs
Solar Cell	144 half-cut monocrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate), POE (Polyolefin)
Back Cover	Composite film, white
Junction Box	IP 68 rated
Frame	Anodized aluminum frame
Packaging Configuration	26 pcs Per Pallet, 616 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	5400 Pa acc. to IEC 61215
Maximum System Voltage	IEC 1500 VDC
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

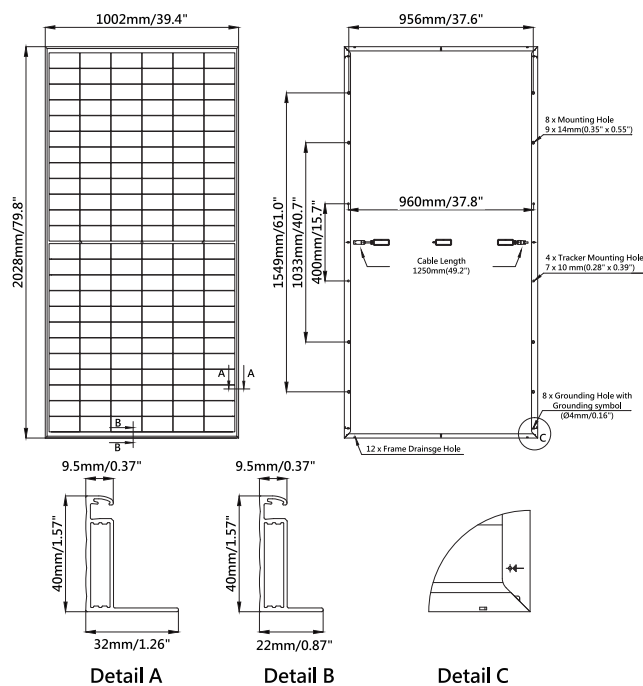
## Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.32 % / °C
Temperature Coefficient of Pmax	-0.40 % / °C

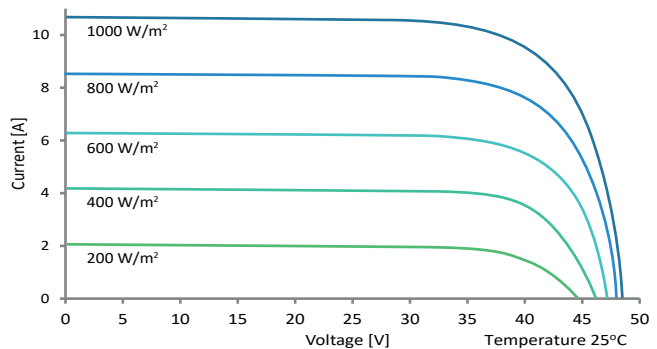
\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.

\*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3.5 ± 2%.

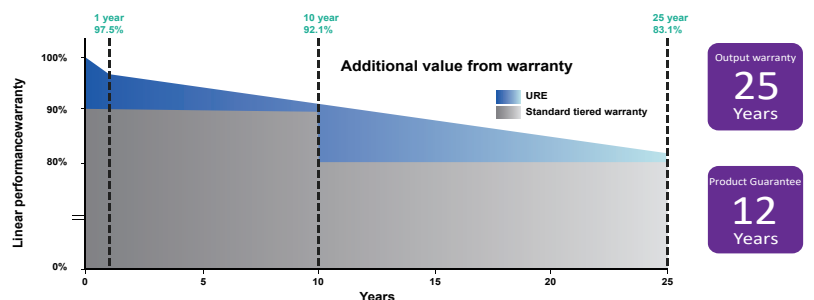
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



Output warranty  
**25**  
Years

Product Guarantee  
**12**  
Years

For more information, please visit us at [www.urecorp.com](http://www.urecorp.com)