

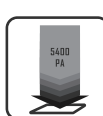
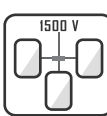





D1K\_H4A / 72 cells  
 395 W - 410 W  
 Mono-Crystalline PV Module

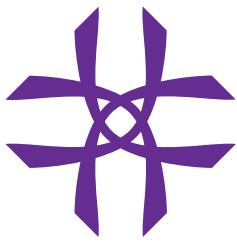
URE Power series module uses URE own high efficiency p-PERC mono crystalline solar cells with aesthetic black design, and advanced module manufacturing experiences.



## Key Features

- |   |   |
|---|---|
|  <p><b>High Efficiency</b><br/>High module conversion efficiency up to 20.57%</p>      |  <p><b>100% EL inline inspection</b><br/>Better module reliability</p>    |
|  <p><b>Withstand heavy loading</b><br/>front load 5400 Pa &amp; rear load 2400 Pa</p>  |  <p><b>Design for 1500 VDC</b><br/>Reduce the system BOS effectively</p>  |
|  <p><b>NO Water pollution concern</b><br/>PASS the water quality standard by E.P.A</p> |  <p><b>Salt mist resistance</b><br/>According to IEC 61701 Severity 6</p> |





# URE

United Renewable Energy Co., Ltd.

## Electrical Data

Model - STC		D1K395H4A	D1K400H4A	D1K405H4A	D1K410H4A
Maximum Rating Power (Pmax)	[W]	395	400	405	410
Module Efficiency	[%]	19.82	20.07	20.32	20.57
Open Circuit Voltage (Voc)	[V]	48.52	48.53	48.54	48.56
Maximum Power Voltage	[V]	39.23	39.31	39.39	39.47
Short Circuit Current (Isc)	[A]	10.60	10.70	10.80	10.90
Maximum Power Current	[A]	10.08	10.18	10.28	10.39
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	1989 mm (L) <sup>1</sup> x 1002 mm (W) <sup>1</sup> x 40 mm (D) <sup>2</sup> / 78.31" (L) <sup>1</sup> x 39.45" (W) <sup>1</sup> x 1.57" (D) <sup>2</sup>
Weight	22.5 kg / 49.6 lbs
Solar Cell	72 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
Packaging Configuration	26 pcs Per Pallet, 672 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 (Test Load)	5400 Pa
Maximum System Voltage	IEC 1500 VDC
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

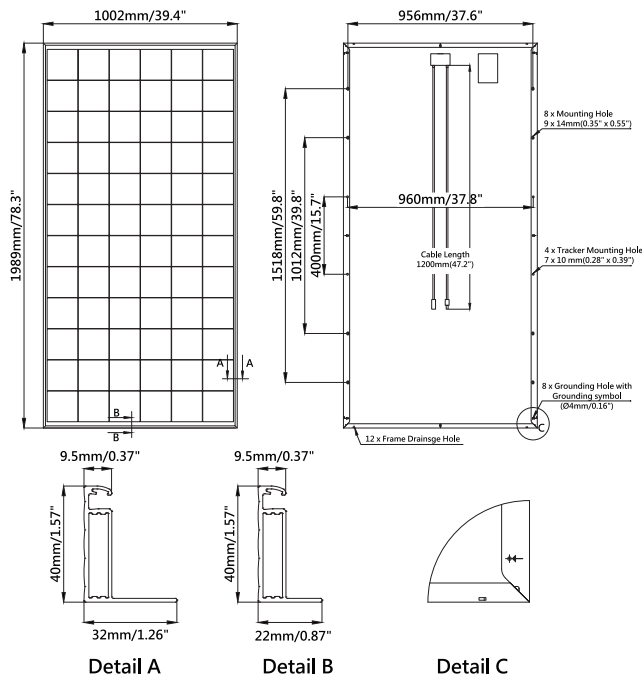
## Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.29 % / °C
Temperature Coefficient of Pmax	-0.39 % / °C

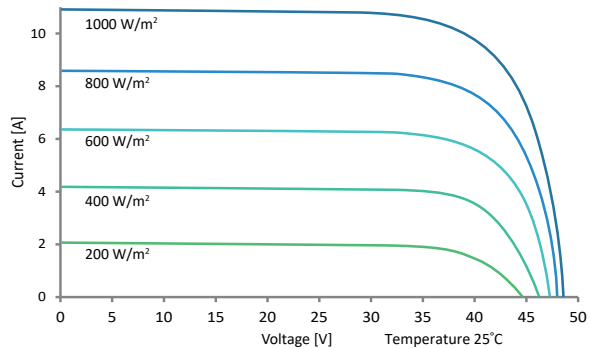
\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.

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

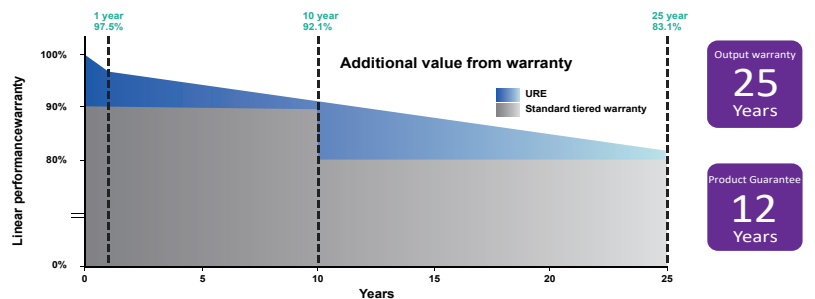
## Engineering Drawing (mm)



## Dependence on Irradiance



## Reliability with Warranty



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