




**PEACH VLM**

DBK\_H7A / 120 cells

440 W - 470 W

Mono-Crystalline PV Module

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



## Key Features



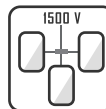
**High Efficiency**  
High module conversion efficiency up to 21.72%



**100% EL inline inspection**  
Better module reliability



**Withstand heavy loading**  
Front load 7200 Pa & rear load 5400 Pa



**Design for 1500 VDC**  
Reduce the system BOS effectively



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



**High Durability**  
High resistance to salt mist & PID design  
Pass the highest level  
(IEC 61701/ IEC 60068-2-52 Severity 8)

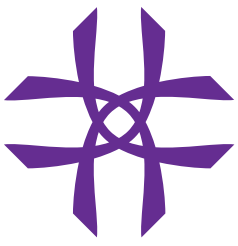


**Multi-Bus bar/ TLS technology**  
Increase the stability of outdoor power generation



**Ammonia Resistant**  
According to IEC 62716+IEC 61215-1





# URE

United Renewable Energy Co., Ltd.

EN

## Electrical Data

Model - STC		DBK440H7A	DBK445H7A	DBK450H7A	DBK455H7A	DBK460H7A	DBK465H7A	DBK470H7A
Maximum Rating Power (Pmax)	[W]	440	445	450	455	460	465	470
Module Efficiency	[%]	20.34	20.57	20.80	21.03	21.26	21.49	21.72
Open Circuit Voltage (Voc)	[V]	41.10	41.25	41.40	41.55	41.70	41.85	42.00
Maximum Power Voltage	[V]	33.91	34.06	34.21	34.36	34.51	34.66	34.81
Short Circuit Current (Isc)	[A]	13.75	13.80	13.85	13.90	13.95	14.00	14.05
Maximum Power Current	[A]	13.03	13.10	13.17	13.24	13.31	13.38	13.45
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	1908 mm (L) <sup>1</sup> x 1134 mm (W) <sup>1</sup> x 40 mm (D) <sup>2</sup> / 75.12" (L) <sup>1</sup> x 44.65" (W) <sup>1</sup> x 1.57" (D) <sup>2</sup>
Weight	23.5 kg / 51.81 lbs
Solar Cell	120 half-cut monocrystalline M10 PERC cells
Front Glass	3.2mm thickness
Junction Box	IP 68, 3 diodes
Frame	Anodized aluminum alloy
Cables	4.0mm <sup>2</sup> (IEC), 12AWG (UL)
Connectors	EVO2A (1500V)
Package Configuration	26 pcs per pallet, 624 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	7200 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

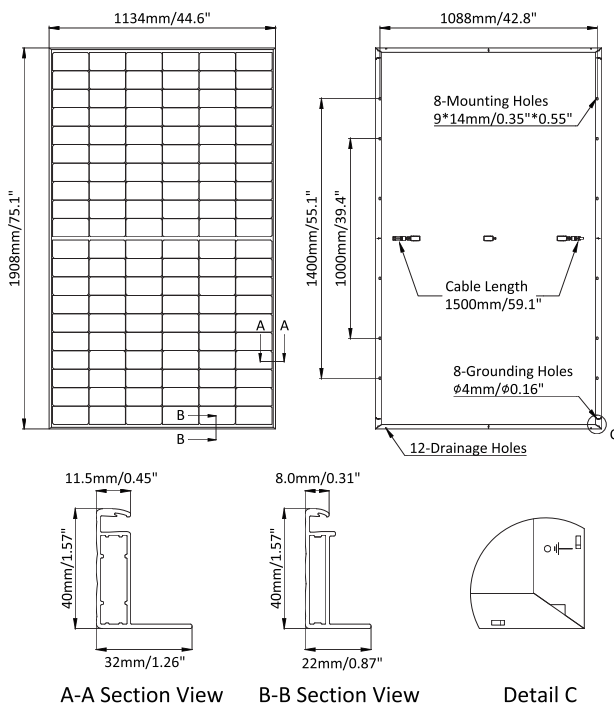
## Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	43°C ± 2°C
Temperature Coefficient of Isc	0.05 % / °C
Temperature Coefficient of Voc	-0.27 % / °C
Temperature Coefficient of Pmax	-0.35 % / °C

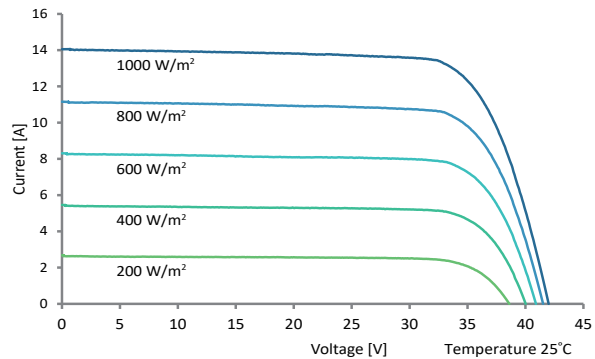
\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.

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

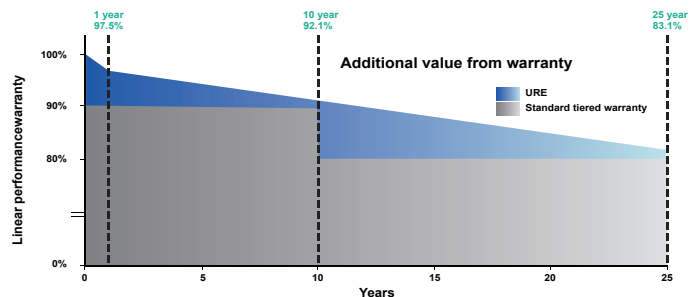
## Engineering Drawing (mm)



## 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)

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