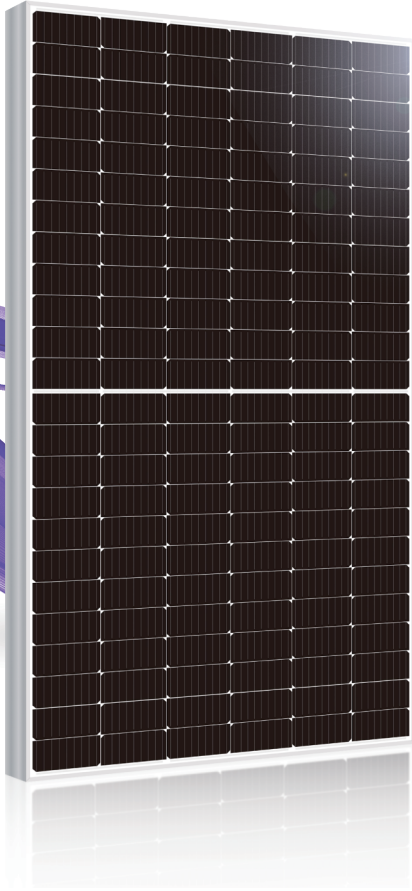




PEACH VLM

DAK_H8A / 144 cells
435 W-460 W
Mono-Crystalline PV Module

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



Key Features



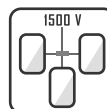
High Efficiency
High module conversion efficiency up to 21.16%



100% EL inline inspection
Better module reliability



Withstand heavy loading
front load 6000 Pa & rear load 3600 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



Electrical Data

Model - STC		DAK435H8A	DAK440H8A	DAK445H8A	DAK450H8A	DAK455H8A	DAK460H8A
Maximum Rating Power (Pmax)	[W]	435	440	445	450	455	460
Module Efficiency	[%]	20.01	20.24	20.47	20.70	20.93	21.16
Open Circuit Voltage (Voc)	[V]	48.75	48.91	49.07	49.23	49.39	49.55
Maximum Power Voltage	[V]	40.13	40.52	40.91	41.25	41.60	41.98
Short Circuit Current (Isc)	[A]	11.39	11.41	11.43	11.46	11.48	11.50
Maximum Power Current	[A]	10.84	10.86	10.88	10.91	10.94	10.96
Positive Power Tolerance		0~3%					

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

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

Mechanical Data

Item	Specification
Dimensions	2094mm (L) ¹ x 1038 mm (W) ¹ x 40 mm (D) ² / 82.44 " (L) ¹ x 40.87 " (W) ¹ x 1.57 " (D) ²
Weight	23.5 kg / 51.8 lbs
Solar Cell	Mono/ 83 mm x 166 mm, 144 monocrystalline cells
Front Glass	3.2mm thickness
Junction Box	IP 68 , 3 diodes
Frame	Anodized aluminum alloy
Cables	4.0mm ² (IEC), 12AWG (UL)
Connectors	EVO2A (1500V)
Package Configuration	26 pcs per pallet, 520 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	6000 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

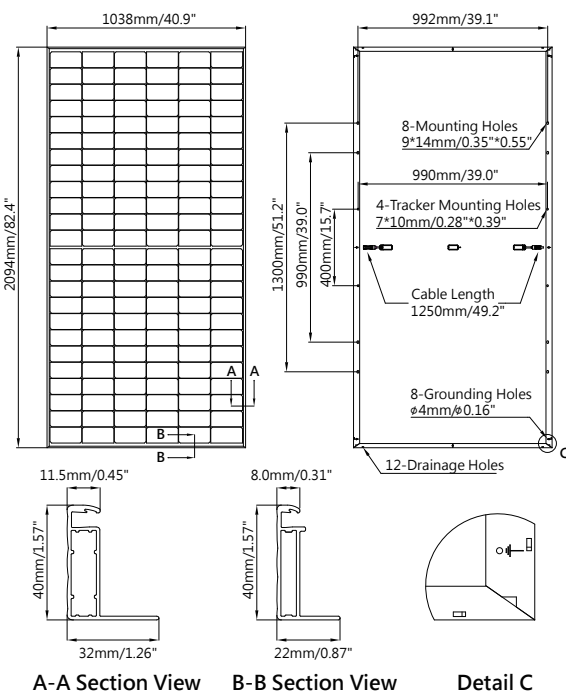
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.29 % / °C
Temperature Coefficient of Pmax	-0.35 % / °C

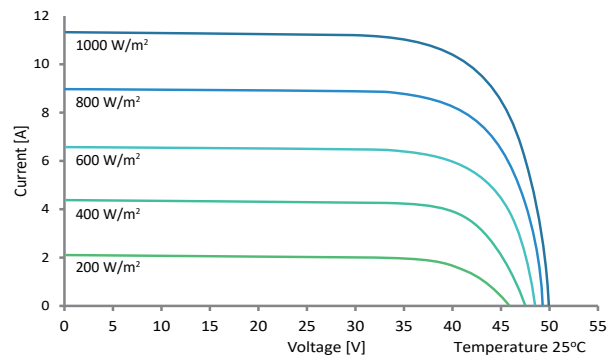
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3.5 ± 2%.

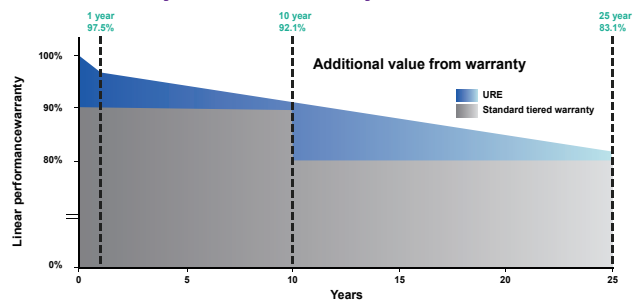
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
Years

Product Guarantee
12
Years

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