


PEACH VLM

DBK_H8A / 144 cells
530 W -560W
Mono-Crystalline PV Module

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



Key Features



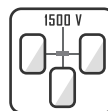
High Efficiency
High module conversion efficiency up to 21.67%



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)

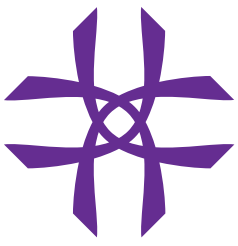


Multi-Bus bar/ TLS technology
Increase the stability of outdoor power generation



Ammonia Resistant
According to IEC 62716+IEC 61215-1





URE

United Renewable Energy Co., Ltd.

Electrical Data

Model - STC		DBK530H8A	DBK535H8A	DBK540H8A	DBK545H8A	DBK550H8A	DBK555H8A	DBK560H8A
Maximum Rating Power (Pmax)	[W]	530	535	540	545	550	555	560
Module Efficiency	[%]	20.52	20.71	20.90	21.10	21.29	21.48	21.67
Open Circuit Voltage (Voc)	[V]	49.35	49.50	49.65	49.80	49.95	50.10	50.25
Maximum Power Voltage	[V]	40.50	40.65	40.80	40.95	41.10	41.25	41.40
Short Circuit Current (Isc)	[A]	13.85	13.90	13.95	14.00	14.05	14.10	14.15
Maximum Power Current	[A]	13.10	13.17	13.24	13.31	13.38	13.45	13.52
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	2278 mm (L) ¹ x 1134 mm (W) ¹ x 40 mm (D) ² / 89.69" (L) ¹ x 44.65" (W) ¹ x 1.57" (D) ²
Weight	27.5 kg / 60.63 lbs
Solar Cell	144 half-cut monocrystalline M10 PERC 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	7200 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	25 A
Operating Temperature	-40 to 85 °C

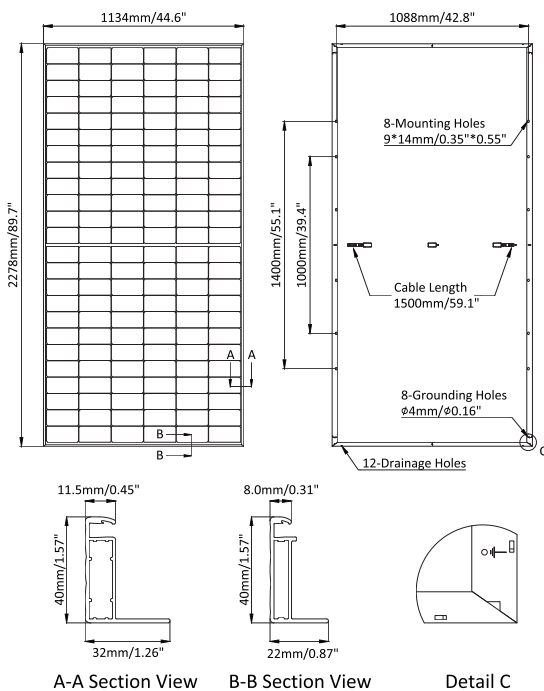
Temperature Characteristics

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

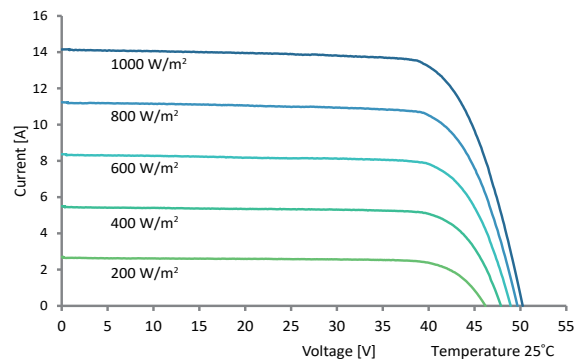
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

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

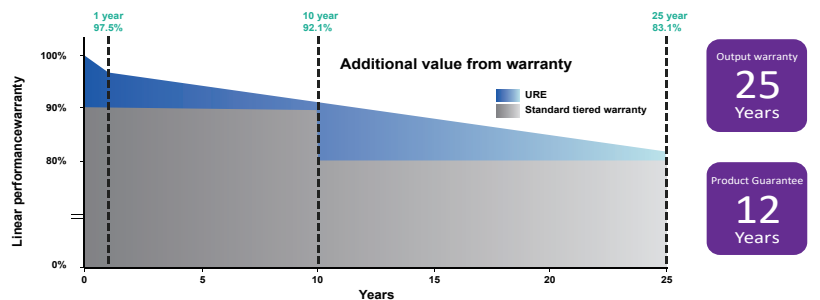
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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