


D2K_T8A / 144 cells
 400 W - 405 W
 Mono-Crystalline Bifacial PV Module

URE Peach module uses URE state-of-the-art cell cut technology on high efficiency p-PERC mono-crystalline bifacial cell, and advanced module manufacturing experiences.



Key Features



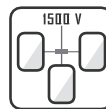
High Efficiency
 High module conversion efficiency up to 19.93%



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



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



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



Electrical Data

Model		Bifacial Gain			Bifacial Gain		
		D2K400T8A	5%	10%	D2K405T8A	5%	10%
Maximum Rating Power (Pmax)	[W]	400	420	440	405	425	446
Module Efficiency	[%]	19.68	20.66	21.65	19.93	20.93	21.92
Open Circuit Voltage (Voc)	[V]	48.46	48.46	48.46	48.47	48.47	48.47
Maximum Power Voltage	[V]	40.20	40.20	40.20	40.28	40.28	40.28
Short Circuit Current (Isc)	[A]	10.55	11.08	11.61	10.67	11.20	11.74
Maximum Power Current	[A]	9.95	10.45	10.95	10.05	10.55	11.06
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	2028 mm (L) ¹ x 1002 mm (W) ¹ x 40 mm (D) ² / 79.84" (L) ¹ x 39.45" (W) ¹ x 1.57" (D) ²
Weight	23.9kg / 52.6 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)
Back Cover	Composite film, transparent
Junction Box	IP 68 rated
Frame	Anodized aluminum frame, original
Packaging Configuration	26 pcs Per Pallet, 616 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

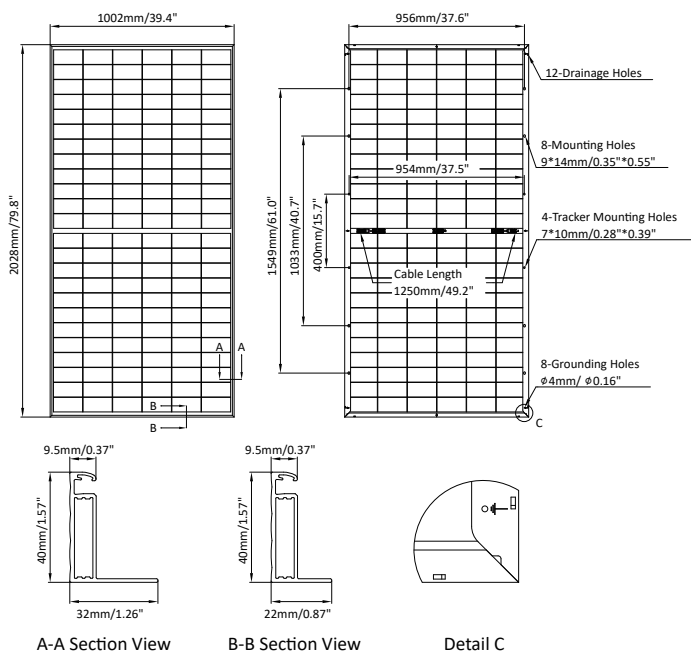
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1500 VDC
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

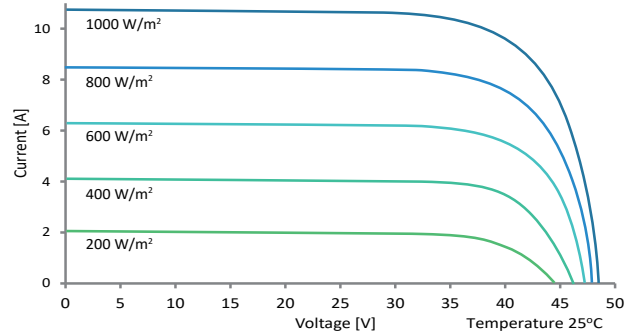
Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.31 % / °C
Temperature Coefficient of Pmax	-0.39 % / °C

*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%.

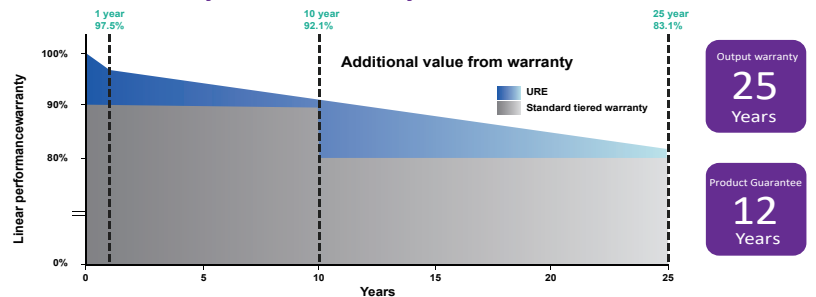
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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