




PEACH BIFI

D2K_P8A / 144 cells
 400W - 420 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



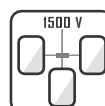
High Efficiency
 High module conversion efficiency up to 20.67%



100% EL inline inspection
 Better module reliability



Withstand heavy loading
 Front load 5400 Pa & rear load 2400 Pa

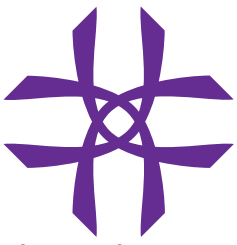


Design for 1500 VDC
 Reduce the system BOS effectively



Salt mist resistance
 According to IEC 61701 Severity 6





URE

United Renewable Energy Co., Ltd.

Electrical Data

Model		Bifacial Gain			Bifacial Gain			Bifacial Gain		
		D2K400P8A	5%	10%	D2K405P8A	5%	10%	D2K410P8A	5%	10%
Maximum Rating Power (Pmax)	[W]	400	420	440	405	425	446	410	431	451
Module Efficiency	[%]	19.68	20.66	21.65	19.93	20.93	21.92	20.18	21.19	22.20
Open Circuit Voltage (Voc)	[V]	48.46	48.46	48.46	48.47	48.47	48.47	48.49	48.49	48.49
Maximum Power Voltage	[V]	40.20	40.20	40.20	40.28	40.28	40.28	40.36	40.36	40.36
Short Circuit Current (Isc)	[A]	10.55	11.08	11.61	10.67	11.20	11.74	10.75	11.29	11.83
Maximum Power Current	[A]	9.95	10.45	10.95	10.05	10.55	11.06	10.16	10.67	11.18
Model		D2K415P8A	5%	10%	D2K420P8A	5%	10%			
Maximum Rating Power (Pmax)	[W]	415	436	457	420	441	462			
Module Efficiency	[%]	20.42	21.44	22.46	20.67	21.70	22.74			
Open Circuit Voltage (Voc)	[V]	48.51	48.51	48.51	48.52	48.52	48.52			
Maximum Power Voltage	[V]	40.44	40.44	40.44	40.52	40.52	40.52			
Short Circuit Current (Isc)	[A]	10.85	11.39	11.94	10.95	11.50	12.05			
Maximum Power Current	[A]	10.26	10.77	11.29	10.37	10.89	11.41			
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 with white grid pattern
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

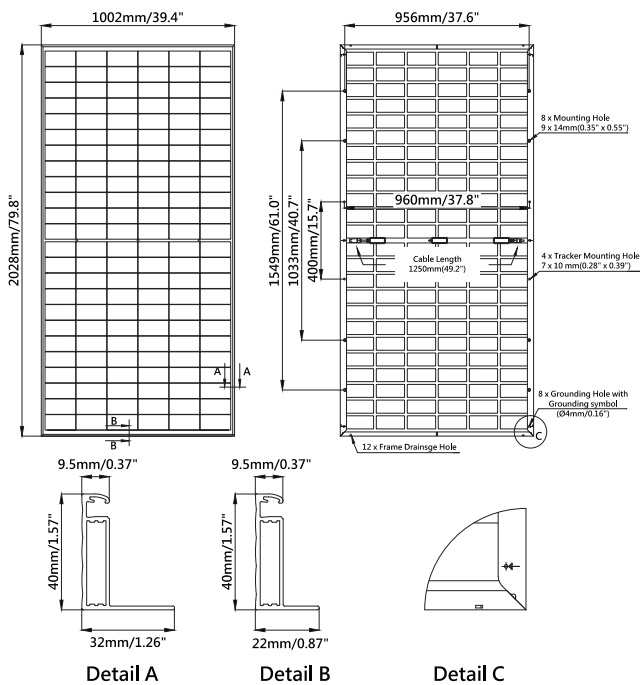
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.07 % / °C
Temperature Coefficient of Voc	-0.32 % / °C
Temperature Coefficient of Pmax	-0.40 % / °C

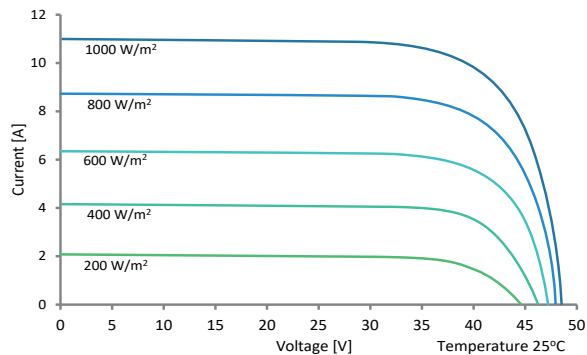
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

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

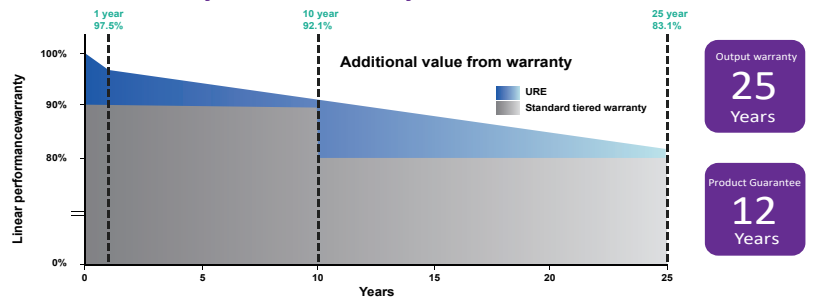
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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