




D2K_R8A / 144 cells

400W - 420 W

Mono-Crystalline PV Module

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



Key Features



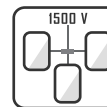
High Efficiency
High module conversion efficiency to 20.67%



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



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



Disassemble (EEC) module
Recycle complete silicon wafers and other materials



Electrical Data

Model - STC		D2K400R8A	D2K405R8A	D2K410R8A	D2K415R8A	D2K420R8A
Maximum Rating Power (Pmax)	[W]	400	405	410	415	420
Module Efficiency	[%]	19.68	19.93	20.18	20.42	20.67
Open Circuit Voltage (Voc)	[V]	48.46	48.47	48.49	48.51	48.52
Maximum Power Voltage	[V]	40.20	40.28	40.36	40.44	40.52
Short Circuit Current (Isc)	[A]	10.55	10.67	10.75	10.85	10.95
Maximum Power Current	[A]	9.95	10.05	10.16	10.26	10.37
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	23.6 kg / 51.92 lbs
Solar Cell	144 half-cut monocrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EEC (Easy-Dismantled Film)
Back Cover	Composite film, white
Junction Box	IP 68 rated
Frame	Anodized aluminum frame
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 acc. to IEC 61215
Maximum System Voltage	IEC 1500 VDC
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

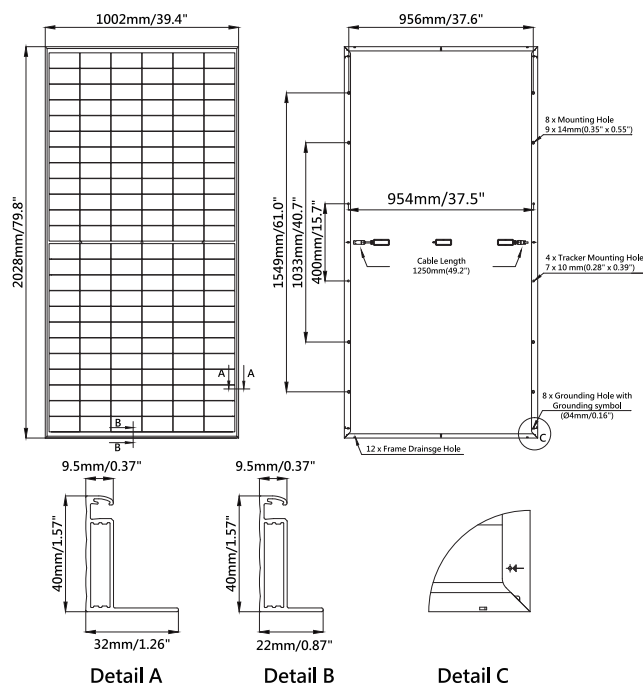
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	42°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.32 % / °C
Temperature Coefficient of Pmax	-0.40 % / °C

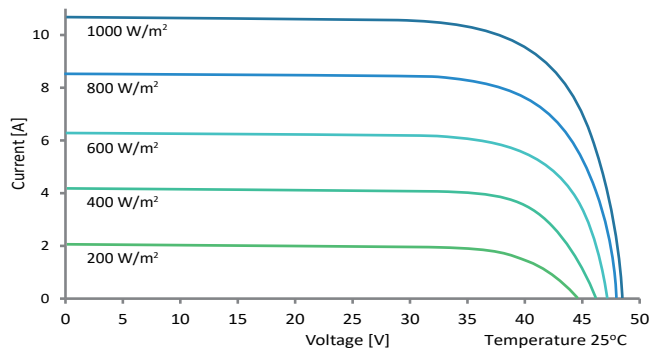
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

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

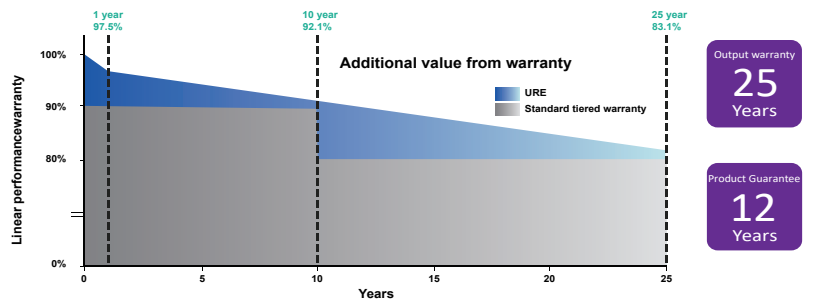
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



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