

POWER

D6M_H3A / 60 cells

295W - 320 W

Mono-Crystalline PV Module

URE Power series module uses URE own high efficiency p-PERC mono crystalline solar cells with aesthetic black design, and advanced module manufacturing experiences.



Key Features



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



100% EL inline inspection
Better module reliability



Excellent low light performance
3.5% relative eff. Reduction at low-irradiance (200W/m²)



Ammonia resistance
According to IEC 62716 Ed. 1



Electrical Data

Model - STC		D6M295H3A	D6M300H3A	D6M305H3A	D6M310H3A	D6M315H3A	D6M320H3A
Maximum Rating Power (Pmax)	[W]	295	300	305	310	315	320
Module Efficiency	[%]	18.1	18.4	18.7	19.1	19.4	19.7
Open Circuit Voltage (Voc)	[V]	39.27	39.39	39.49	39.75	39.99	40.07
Maximum Power Voltage	[V]	31.86	32.09	32.35	32.57	32.78	32.80
Short Circuit Current (Isc)	[A]	9.73	9.78	9.86	9.91	9.96	10.28
Maximum Power Current	[A]	9.26	9.35	9.43	9.52	9.61	9.76

*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	1640 mm (L) ¹ x 992 mm (W) ¹ x 35 mm (D) ² / 64.5" (L) ¹ x 39.1" (W) ¹ x 1.38" (D) ²
Weight	18 kg / 39.7 lbs
Solar Cell	60 monocrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Frame	Anodized aluminum frame, original or black
Packaging Configuration	30 pcs Per Pallet, 896 pcs per 40' HQ container
Junction Box	JM13D
Connector type	PV-JM601 / PV-KST4/xy-UR ; PV-KBT4/xy-UR

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 (Certified by TUV Rheinland)
Maximum System Voltage	TUV/UL 1000 VDC
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

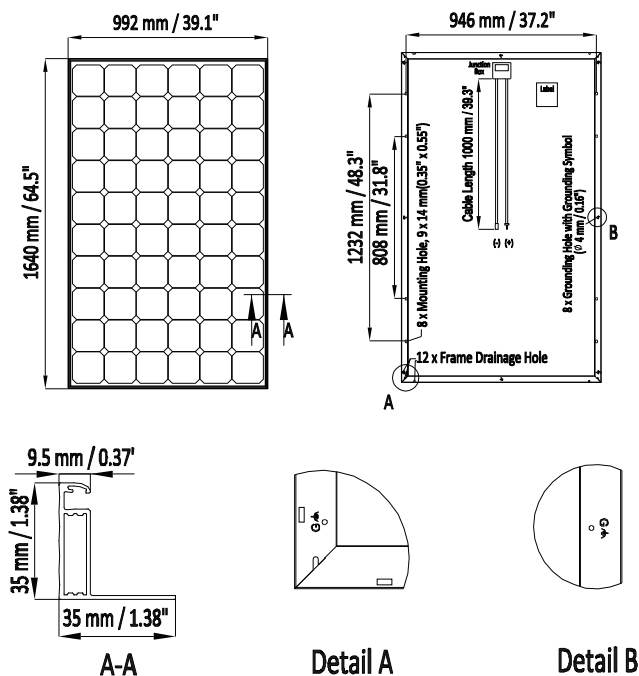
Temperature Characteristics

Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.0720 % / °C
Temperature Coefficient of Voc	-0.3192 % / °C
Temperature Coefficient of Pmax	-0.4335 % / °C

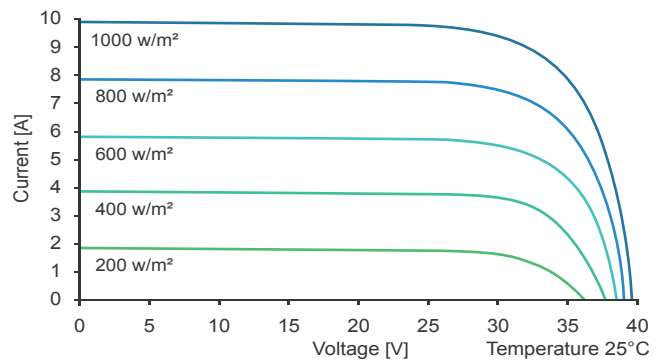
*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.

*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3 ± 2%.

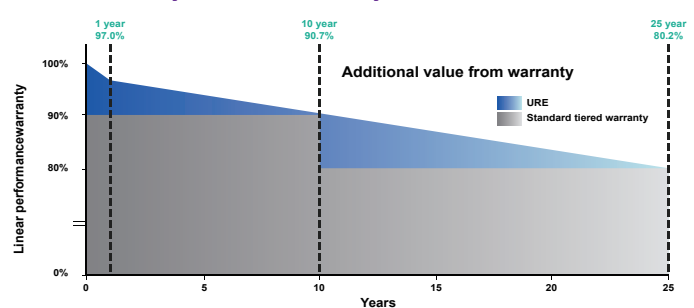
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



Output warranty
25
Years

Product Guarantee
10
Years

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