



Axil Solar Panels

High Efficiency PV Modules

DHM-72L9 Black & White 455W

Durable Black on White Photovoltaic panels that are attractive and weather resistant.

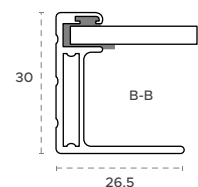
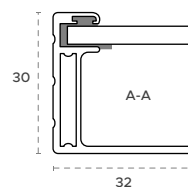
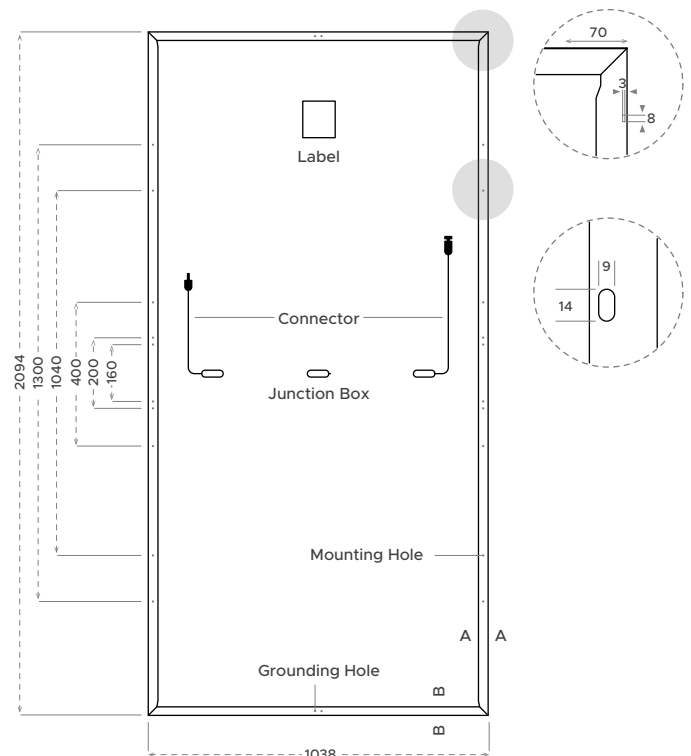
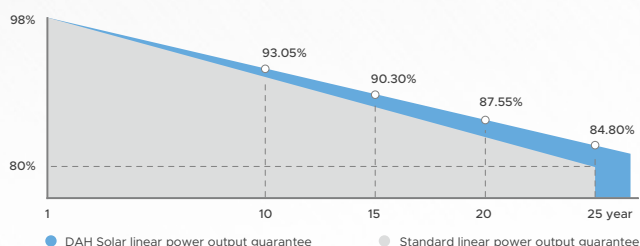
**20.93%
MODULE
EFFICIENCY**

Mechanical Specifications

Cells Type	Mono 166 x 83mm
Dimensions (LxWxT)	2094 x 1038 x 30mm
Approx. Weight	23.5kg
Number of Cells	144 (6x24)
Cable	4.0mm ²
(including connector)	Portrait: 300mm (+) / 400mm (-) Landscape: 1400mm (+) / 1400mm (-)
Glass	3.2mm High Transmission, Anti-reflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Operating Parameters

Maximum System Voltage	1500 VDC
Operating Temperature	-40 ~ +85 °C
Maximum Series Fuse Rating	20A
Snow load (front)	5400Pa
Wind load (back)	2400Pa
Nominal Operating Cell Temperature	45°C ± 2°C
Application Level	Class A



STC - Electrical Characteristics

Module Type	DHM-72L9 (BW)		
Maximum Power (Pmax)	445	450	455
Open-circuit Voltage (Voc)	49.15	49.30	49.45
Maximum Power Voltage (Vmp)	41.96	42.11	42.26
Short-circuit Current (Isc)	11.32	11.35	11.38
Maximum Power Current (Imp)	10.61	10.69	10.77
Module Efficiency (%)	20.47	20.70	20.93
Temperature Coefficient of Isc		0.05% / °C	
Temperature Coefficient of Voc		-0.31% / °C	
Temperature Coefficient of Pmax		-0.35% / °C	

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

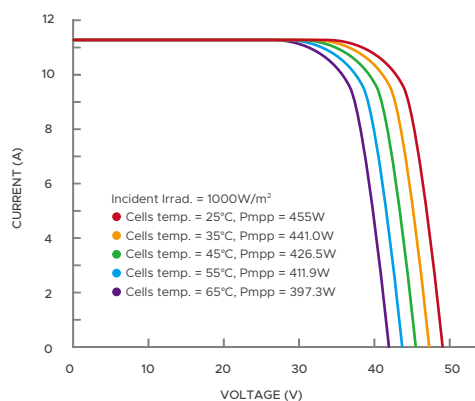
NOCT - Electrical Characteristics

Module Type			
Maximum Power (Pmax)	331	335	339
Open-circuit Voltage (Voc)	46.1	46.2	46.4
Maximum Power Voltage (Vmp)	39.4	39.5	39.6
Short-circuit Current (Isc)	9.15	9.17	9.20
Maximum Power Current (Imp)	8.41	8.48	8.54

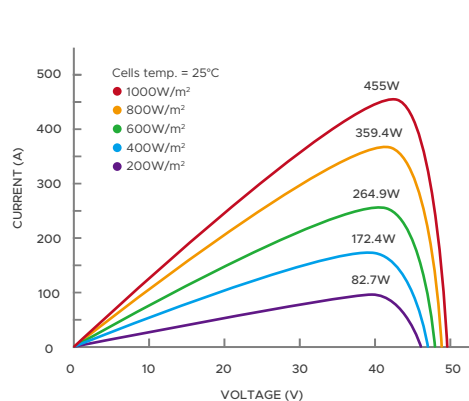
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-72L9(BW) 445W

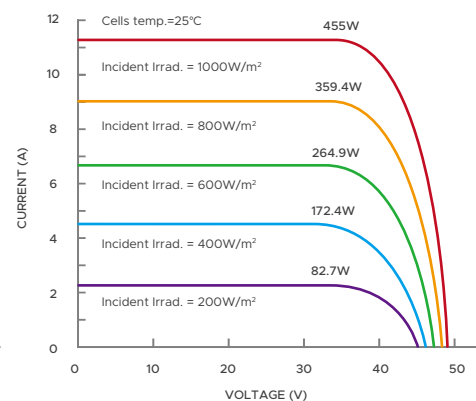
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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