

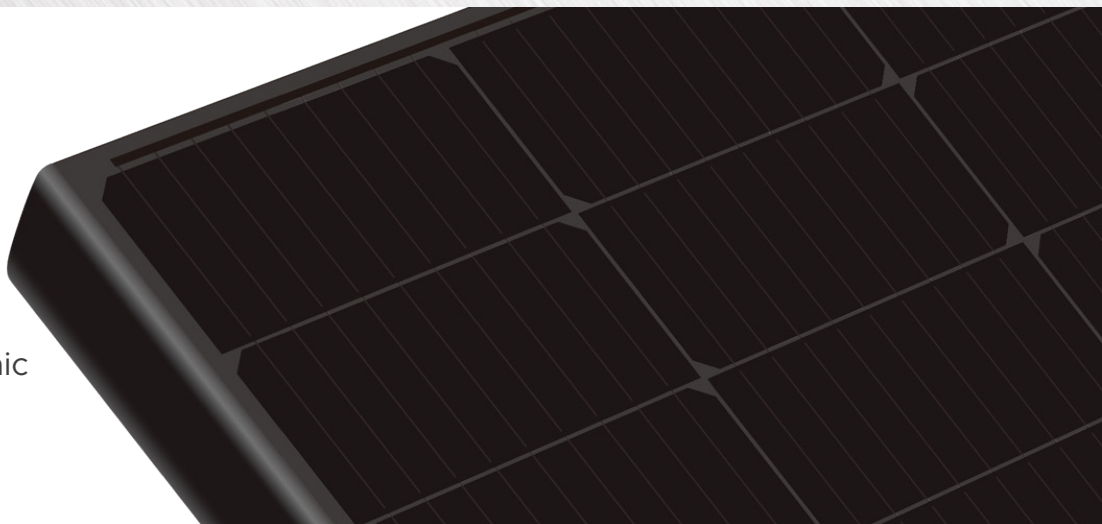


Axil Solar Panels

High Efficiency PV Modules

DHM-72X10/FS Black & Black 545W

Frameless & durable
Black on Black Photovoltaic
panels that are attractive
and weather resistant.

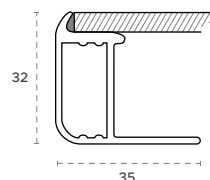
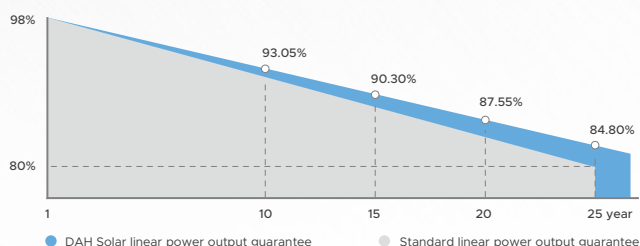
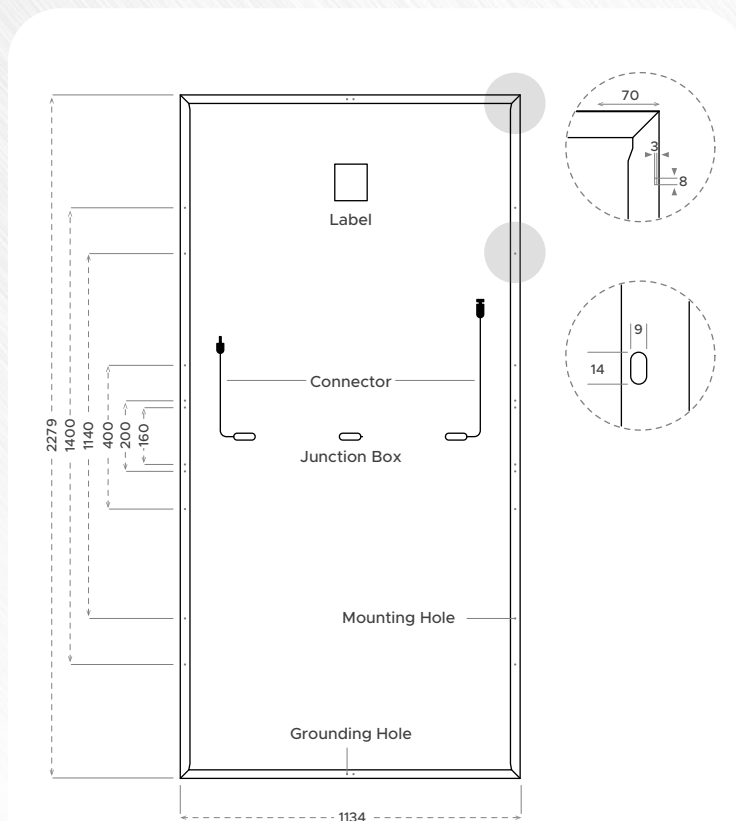


Mechanical Specifications

Cells Type	Mono 182 x 91mm
Dimensions (LxWxT)	2279 x 1134 x 32mm
Approx. Weight	29kg
Number of Cells	144 (6 x 24)
Cable	4.0mm ²
(including connector)	300 / 400mm in length Length can be customized
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	25A
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-72X10/FS (BB)		
Maximum Power (Pmax/W)	540	545	550
Open-circuit Voltage (Voc/V)	49.8	50.0	50.2
Maximum Power Voltage (Vmp/V)	42.0	42.2	42.4
Short-circuit Current (Isc/A)	13.66	13.72	13.78
Maximum Power Current (Imp/A)	12.86	12.91	12.97
Module Efficiency (%)	20.89	21.09	21.30

Power Tolerance : 0 ~ +5W, 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

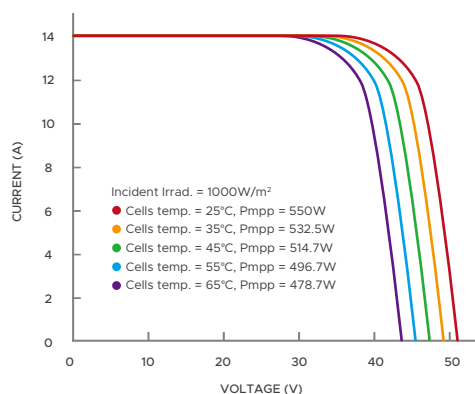
NOCT - Electrical Characteristics

Module Type			
Maximum Power (Pmax)	402	405	409
Open-circuit Voltage (Voc)	46.7	46.9	47.1
Maximum Power Voltage (Vmp)	39.4	39.6	39.8
Short-circuit Current (Isc)	11.04	11.09	11.13
Maximum Power Current (Imp)	10.20	10.24	10.29

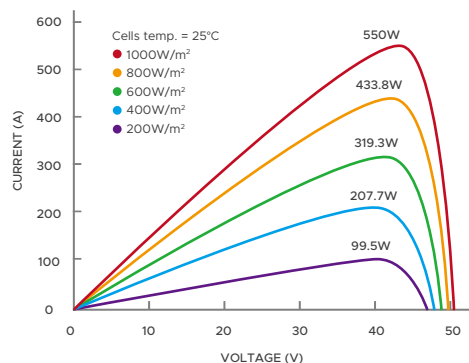
Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

I-V Curve DHM-72X10/FS (BB) 545W

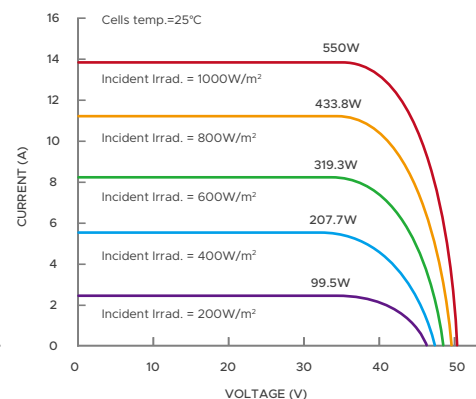
Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve



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