



Dynamex 440 Wp

TIER 1 | Factory

N-Type Bifacial Double Glass
Full Black



Efficient
Over 22% efficiency.



Designed in Europe
Dynamex is proudly produced by Tier 1 factory.



Bifacial technology
Bifacial technology enables additional energy harvesting from rear side (up to 30%).



Reliable quality assurance
25 years product warranty &
30 years performance warranty.



ISO9001/2015: Quality management system
ISO14001/2015: Environmental management system
ISO45001/2018: Occupational health and safety management system

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ELECTRICAL PARAMETERS

Model Type	2DYN99ZZ004	
	STC	NOCT
Maximum Power (Pmax)	440	333
Open Circuit Voltage (Voc)	40.31	38.52
Short Circuit Current (Isc)	13.59	10.91
Maximum Power Voltage (Vmp)	33.44	31.27
Maximum Power Current (Imp)	13.16	10.64
Module Efficiency	22.02%	
Operational Temperature	-40°C ~+ 85°C	
Maximum System Voltage	1500VDC	
Maximum Series Fuse Rating	25A	
Power Tolerance	0 ~+ 5W	
Max Load (Front/Back)	5400Pa / 2400Pa	

STC: Irradiance 1000W/m²Cell temperature 25°CAM1.5

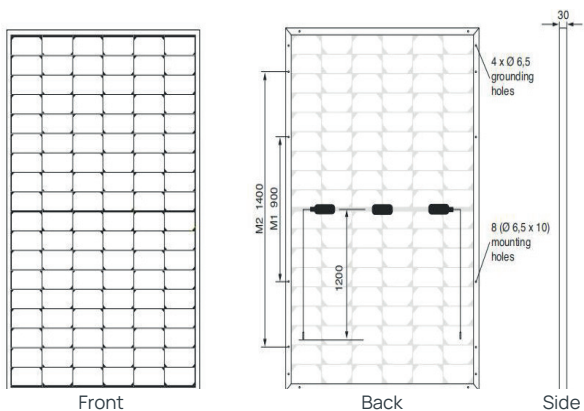
NOCT: Irradiance 800W/m²Ambient temperature 20°CAM1.5

Wind speed 1m/S

SPECIFICATIONS

Module size	1762 x 1134 x 30 mm
Weight	22 kg±3%
Cell	108 cells, N Type mono crystalline
Glass	Front 1.6 mm/Back 1.6 mm
Frame	Black Anodized Aluminum Alloy
Junction Box	IP68
Output Wire	4.0 mm ²
Wire Length	1200 mm
Connector	MC4/EV02 Staubli Connectors

DIMENSIONS



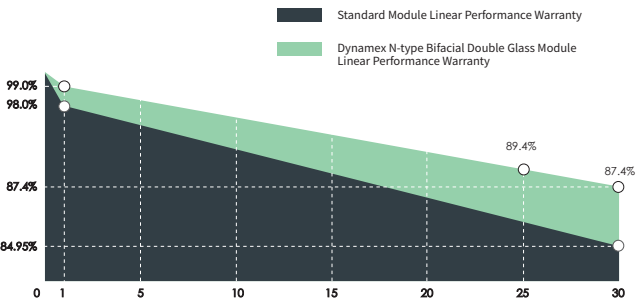
* The unmarked tolerance is ± 2 mm

TEMPERATURE RATING

Temperature Coefficient (Pmax)	-0.31%/°C
Temperature Coefficient (Voc)	-0.26%/°C
Temperature Coefficient (Isc)	+0.05%/°C
Nominal Operating Cell Temperature	45 ± 2°C

PACKING DETAILS

Packing Specification 36 pcs per pallet / 936 pcs per 40HQ



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