



# Dynamex 440 Wp

N-Type Bifacial Double Glass - Full Black



**Efficient**  
Over **22%** efficiency.



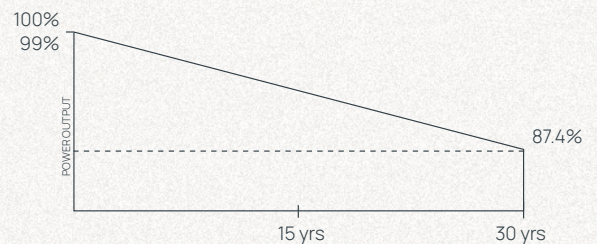
**Harsh Environmental Adaptation**  
Robust design for demanding climate conditions.



**MBB and Half Cell Technique**  
N-type, better reliability & more light utilization.



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



Linear attenuation of 0.4% per year from the 2nd to 30th year.



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

**Allimex** Green Power

## ELECTRICAL PARAMETERS

Model Type	DYN-440BDG	
	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	
Safety Class	Class II	
Max Load (Front/Back)	5400pa / 2400pa	

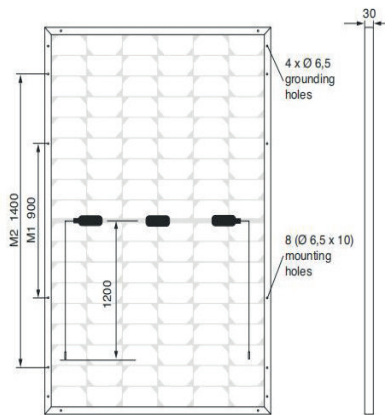
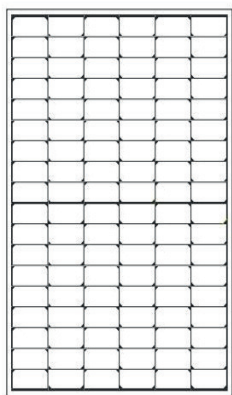
STC: Irradiance 1000W/m<sup>2</sup>  
NOCT: Irradiance 800W/m<sup>2</sup>

Cell temperature 25°C  
Ambient temperature 25°C

Atmospheric quality =1.5  
Atmospheric quality =1.5    Wind speed 1m/S

## SPECIFICATIONS

Cell Type	N-Type Mono-Crystalline
Half-Cell Quantity	108 (6 x 18)
Dimension	1762 x 1134 x 30 mm
Weight	22 kg±3%
Glass	Front 1.6 mm + Back 1.6 mm
Frame	Black Anodized Aluminum Alloy
Junction Box	IP68, MC4/EV02 Staubli Connectors
Cable & Connector	1200 mm



Length: ± 2 mm    Width: ± 2 mm  
Thickness: ± 1 mm    Hole pitch: ± 2 mm

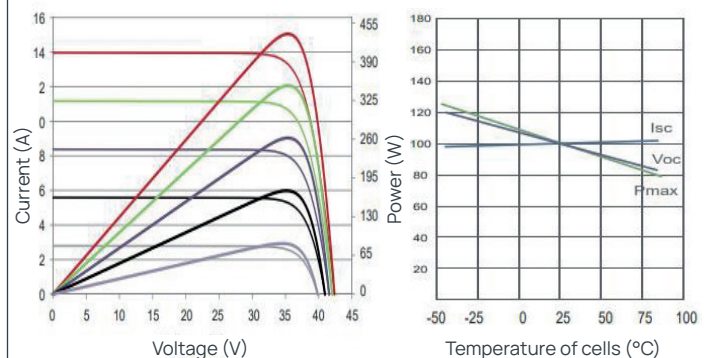
## TEMPERATURE RATING

Temperature Coefficient (Pmax)	-0.31%/°C
Temperature Coefficient (Voc)	-0.26%/°C
Temperature Coefficient (Isc)	+0.04%/°C
Nominal Operating Cell Temperature	45 ± 2°C

## PACKING DETAILS

Pallet size: 1790 × 1130 × 1280 mm

36 pcs per pallet / 12 pallets per 20GP / 26 pallets per 40HQ



## Headquarters

Transportstraat 1B  
3980 Tessenderlo, Belgium

> +32 (0)11 72 96 50  
info@allimex-greenpower.eu

> [allimexgreenpower.com](http://allimexgreenpower.com)  
We care. We dare. We deliver

