



# Dynamex 445 Wp

N-Type Bifacial Double Glass  
Full Black

TIER 1 | Factory



**Efficient**  
Up to 22.3% efficiency.



**Designed in Europe**  
Dynamex is proudly produced by a 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

Allimex Green Power



## ELECTRICAL PARAMETERS

| Model Type                  | 2DYN99ZZ005     |       |
|-----------------------------|-----------------|-------|
|                             | STC             | NOCT  |
| Maximum Power (Pmax)        | 445             | 335   |
| Open Circuit Voltage (Voc)  | 34.85           | 33.11 |
| Short Circuit Current (Isc) | 16.00           | 12.92 |
| Maximum Power Voltage (Vmp) | 29.90           | 27.88 |
| Maximum Power Current (Imp) | 14.89           | 12.02 |
| Module Efficiency           | 22.3%           |       |
| Operational Temperature     | -40°C ~+ 85°C   |       |
| Maximum System Voltage      | 1500VDC         |       |
| Maximum Series Fuse Rating  | 30A             |       |
| Power Tolerance             | 0 ~+ 5W         |       |
| Max Load (Front/Back)       | 5400Pa / 2400Pa |       |

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

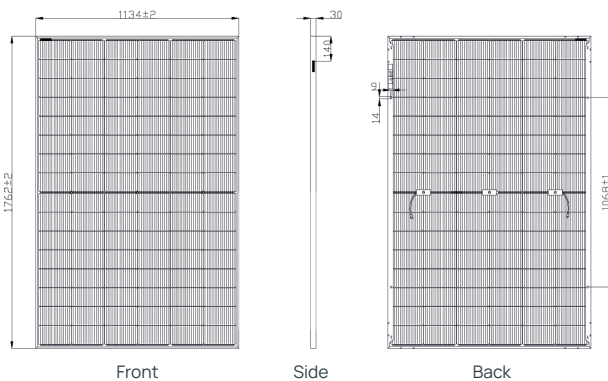
Cell temperature 25°C  
Ambient temperature 20°C  
AM1.5  
AM1.5

Wind speed 1m/S

## SPECIFICATIONS

|              |                                   |
|--------------|-----------------------------------|
| Module size  | 1762 x 1134 x 30 mm               |
| Weight       | 24.3 kg±3%                        |
| Cell         | 96 cells, N Type mono crystalline |
| Glass        | Front 2.0 mm/Back 2.0 mm          |
| Frame        | Black Anodized Aluminum Alloy     |
| Junction Box | IP68                              |
| Output wire  | 4.0 mm <sup>2</sup>               |
| Wire length  | 1200 mm                           |
| Connector    | MC4/EV02 Staubli Connectors       |

## DIMENSIONS



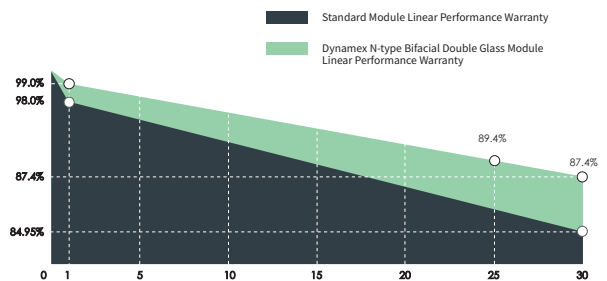
\* The unmarked tolerance is ± 2 mm

## TEMPERATURE RATING

|                                    |           |
|------------------------------------|-----------|
| Temperature Coefficient (Pmax)     | -0.30%/°C |
| Temperature Coefficient (Voc)      | -0.28%/°C |
| Temperature Coefficient (Isc)      | +0.04%/°C |
| Nominal Operating Cell Temperature | 43 ± 2°C  |

## PACKING DETAILS

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



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### Headquarters

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We care. We dare. We deliver

