

# STAR Pro SERIES N-TOPCon 120-cell MODULE

EG-495NT60-HLV

**475~495W**

0~3% POSITIVE TOLERANCE

## KEY FEATURES



### SMBB cell design

Super multi Busbar cells bring lower resistance and increased Busbar reflectance ensures higher power output



### Low degradation

Adopt N-Type TOPCon cell technology, lower degradation and better temperature co-efficiency, greatly increased on generation performance



### High Reliability

Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified



### Excellent Low-light Performance

Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments



### PID Resistant

Excellent PID resistance performance optimized by unique structural design

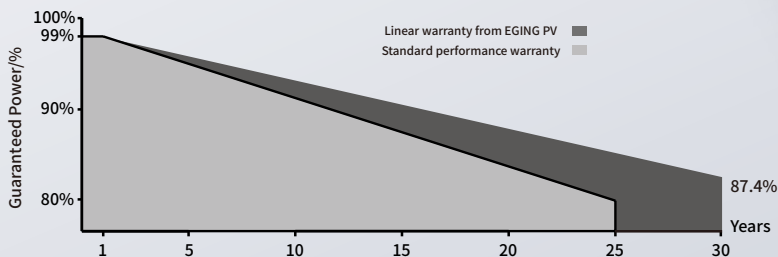
## LINEAR PERFORMANCE WARRANTY



15 year Product Warranty  
25 Year Product Warranty  
(Optional, special for rooftop market)



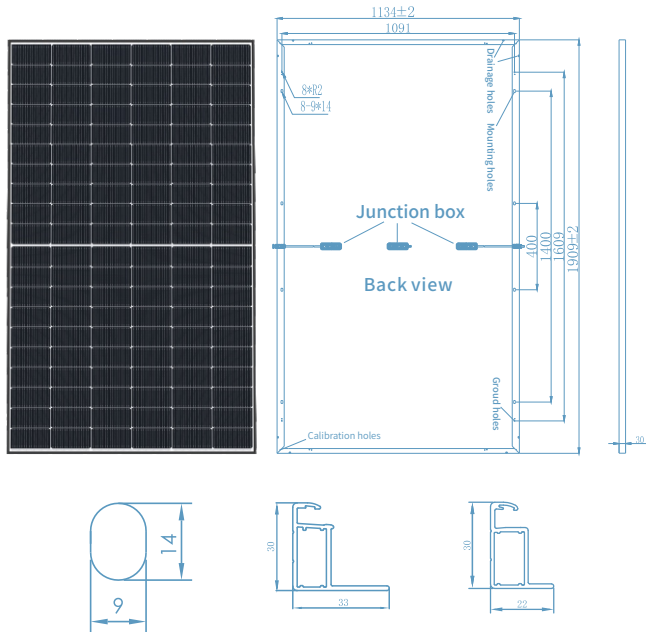
30 Year Linear Power Warranty



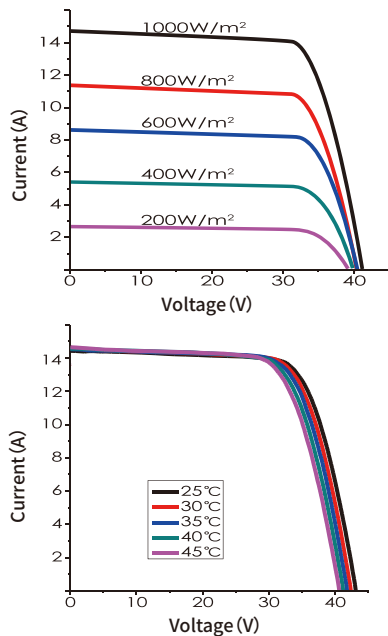
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-495NT60-HLV

## Engineering Drawings



## I-V Curves



## Packing Configuration

|                        |                |
|------------------------|----------------|
| Pieces per pallet      | 36             |
| Size of packing (mm)   | 1940*1135*1255 |
| Weight of packing (kg) | 848            |
| Pieces per container   | 864            |
| Size of container      | 40' HC         |

## Electrical Characteristics

|                                     |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|
| Power level                         | 475   | 480   | 485   | 490   | 495   |
| Pmax (W)                            | 475   | 480   | 485   | 490   | 495   |
| Vmp (V)                             | 35.14 | 35.30 | 35.46 | 35.62 | 35.77 |
| Imp (A)                             | 13.52 | 13.60 | 13.68 | 13.76 | 13.84 |
| Voc (V)                             | 42.84 | 43.07 | 43.30 | 43.52 | 43.74 |
| Isc (A)                             | 14.24 | 14.32 | 14.40 | 14.48 | 14.56 |
| Module efficiency (%)               | 21.9  | 22.2  | 22.4  | 22.6  | 22.9  |
| Maximum system voltage (V)          | 1500  |       |       |       |       |
| Fuse Rating (A)                     | 25    |       |       |       |       |
| Temperature coefficient Pmax (%/°C) | -0.29 |       |       |       |       |
| Temperature coefficient Isc (%/°C)  | 0.046 |       |       |       |       |
| Temperature coefficient Voc (%/°C)  | -0.24 |       |       |       |       |

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

## Working Characteristics

|                     |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|
| Power level         | 475   | 480   | 485   | 490   | 495   |
| Pmax (W)            | 357   | 361   | 365   | 369   | 373   |
| Vmp (V)             | 33.09 | 33.28 | 33.43 | 33.58 | 33.73 |
| Imp (A)             | 10.79 | 10.85 | 10.92 | 10.99 | 11.05 |
| Voc (V)             | 40.39 | 40.55 | 40.71 | 40.87 | 41.03 |
| Isc (A)             | 11.50 | 11.56 | 11.62 | 11.68 | 11.74 |
| Power tolerance (%) | 0~+3  |       |       |       |       |
| NOCT (°C)           | 44±2  |       |       |       |       |

NOCT: Conditions: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

|                         |                         |
|-------------------------|-------------------------|
| Number of cells         | 120pcs                  |
| Size of cell (mm)       | 182*91                  |
| Type of cell            | N-type Mono             |
| Thickness of glass (mm) | 3.2                     |
| Type of frame           | Anodized aluminum alloy |
| Junction box            | IP68                    |
| Size of module (mm)     | 1909*1134*30            |
| Weight (kg)             | 22.3                    |
| Cables/connectors       | 4mm², MC4 compatible    |
| Length of Cable         | Portrait: +300mm/-300mm |

## Maximum Ratings

|                           |                                      |
|---------------------------|--------------------------------------|
| Operating Temperature(°C) | -40~85                               |
| Operating humidity(%RH)   | 5~85                                 |
| Allowable Hail Load       | 25mm ice-ball with velocity of 23m/s |



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 The specific content of the product warranty refers to EGING's latest warranty.