

# AURORA Pro<sup>+</sup> SERIES

N-TOPCon  
132-cell MODULE

EG-NT66-HRcV

**620~650W**

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



### 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

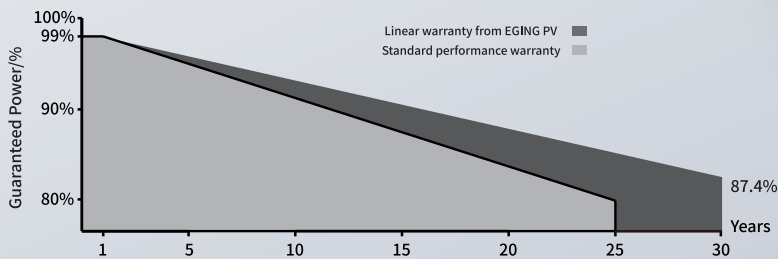


### Lower LCOE

Super lower LCOE

## LINEAR PERFORMANCE WARRANTY

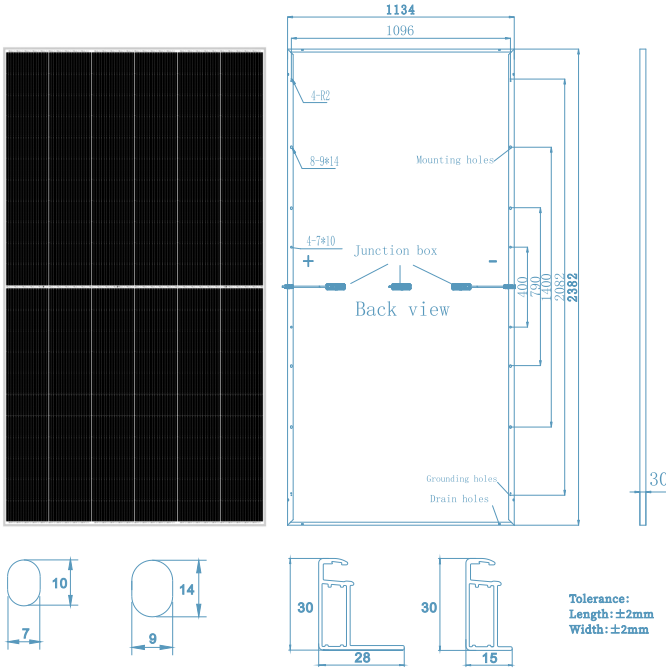
 15 Year Product Warranty  30 Year Linear Power Warranty



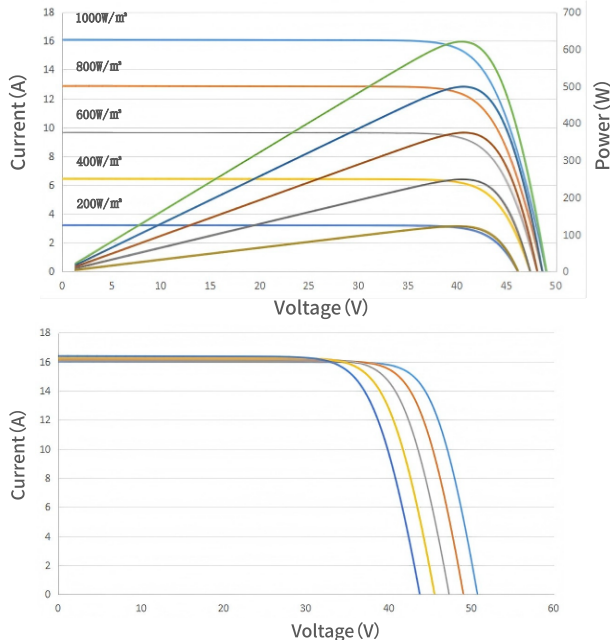
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-NT66-HRcV

## Engineering Drawings



## I-V Curves(620W)



## Packing Configuration

|                        |                |
|------------------------|----------------|
| Pieces per pallet      | 36             |
| Size of packing (mm)   | 2390*1135*1255 |
| Weight of packing (kg) | 1069           |
| Pieces per container   | 720            |
| Size of container      | 40'HC          |

## Electrical Characteristics

Test uncertainty for Pmax: ±3%

|                                     |       |       |       |       |       |       |       |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Power level                         | 620   | 625   | 630   | 635   | 640   | 645   | 650   |
| Pmax (W)                            | 620   | 625   | 630   | 635   | 640   | 645   | 650   |
| Vmp (V)                             | 40.79 | 40.96 | 41.13 | 41.29 | 41.46 | 41.62 | 41.79 |
| Imp (A)                             | 15.20 | 15.26 | 15.32 | 15.38 | 15.44 | 15.50 | 15.56 |
| Voc (V)                             | 49.05 | 49.24 | 49.43 | 49.62 | 49.78 | 49.95 | 50.12 |
| Isc (A)                             | 16.09 | 16.15 | 16.21 | 16.27 | 16.33 | 16.39 | 16.45 |
| Module efficiency (%)               | 23.0  | 23.1  | 23.3  | 23.5  | 23.7  | 23.9  | 24.1  |
| Maximum system voltage (V)          | 1500  |       |       |       |       |       |       |
| Fuse Rating (A)                     | 30    |       |       |       |       |       |       |
| Temperature coefficient Pmax (%/°C) | -0.29 |       |       |       |       |       |       |
| Temperature coefficient Isc (%/°C)  | 0.046 |       |       |       |       |       |       |
| Temperature coefficient Voc (%/°C)  | -0.24 |       |       |       |       |       |       |

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

## Working Characteristics

|                     |       |       |       |       |       |       |       |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Power level         | 620   | 625   | 630   | 635   | 640   | 645   | 650   |
| Pmax (W)            | 470   | 474   | 478   | 481   | 485   | 489   | 493   |
| Vmp (V)             | 38.22 | 38.36 | 38.52 | 38.69 | 38.87 | 39.03 | 39.20 |
| Imp (A)             | 12.30 | 12.35 | 12.40 | 12.44 | 12.48 | 12.53 | 12.57 |
| Voc (V)             | 46.40 | 46.54 | 46.72 | 46.90 | 47.08 | 47.24 | 47.41 |
| Isc (A)             | 12.96 | 13.02 | 13.07 | 13.11 | 13.15 | 13.20 | 13.25 |
| Power tolerance (%) | 0~+3  |       |       |       |       |       |       |
| NOCT (°C)           | 44±2  |       |       |       |       |       |       |

NOCT: Conditions: Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1m/s

## Mechanical Characteristics

|                     |                                   |
|---------------------|-----------------------------------|
| Number of cells     | 132pcs                            |
| Size of cell (mm)   | 182.2*105                         |
| Type of cell        | N-type Mono                       |
| Front Glass (mm)    | 3.2                               |
| Type of frame       | Anodized aluminum alloy           |
| Junction box        | IP68                              |
| Size of module (mm) | 2382*1134*30                      |
| Weight (kg)         | 28.3                              |
| Cables/connectors   | 4mm <sup>2</sup> , MC4 compatible |
| Length of Cable     | +300mm/-300mm(connector included) |

Remark: customized frame color and cable length available upon request

## 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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CAUTION: All rights and explain reserved by EGING PV.  
Specifications included in this datasheet are subject to change without notice.  
The specific content of the product warranty refers to EGING's latest warranty.



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