KEENSTAR EGING PV

# STAR Pro+ SERIES

N-TOPCon
144-cell MODULE

| | | | |
|---|---|---|---|
| EG-600NT72-HRaV | 600W | EG-605NT72-HRaV | 605W |
| EG-610NT72-HRaV | 610W | EG-615NT72-HRaV | 615W |

## KEY FEATURES

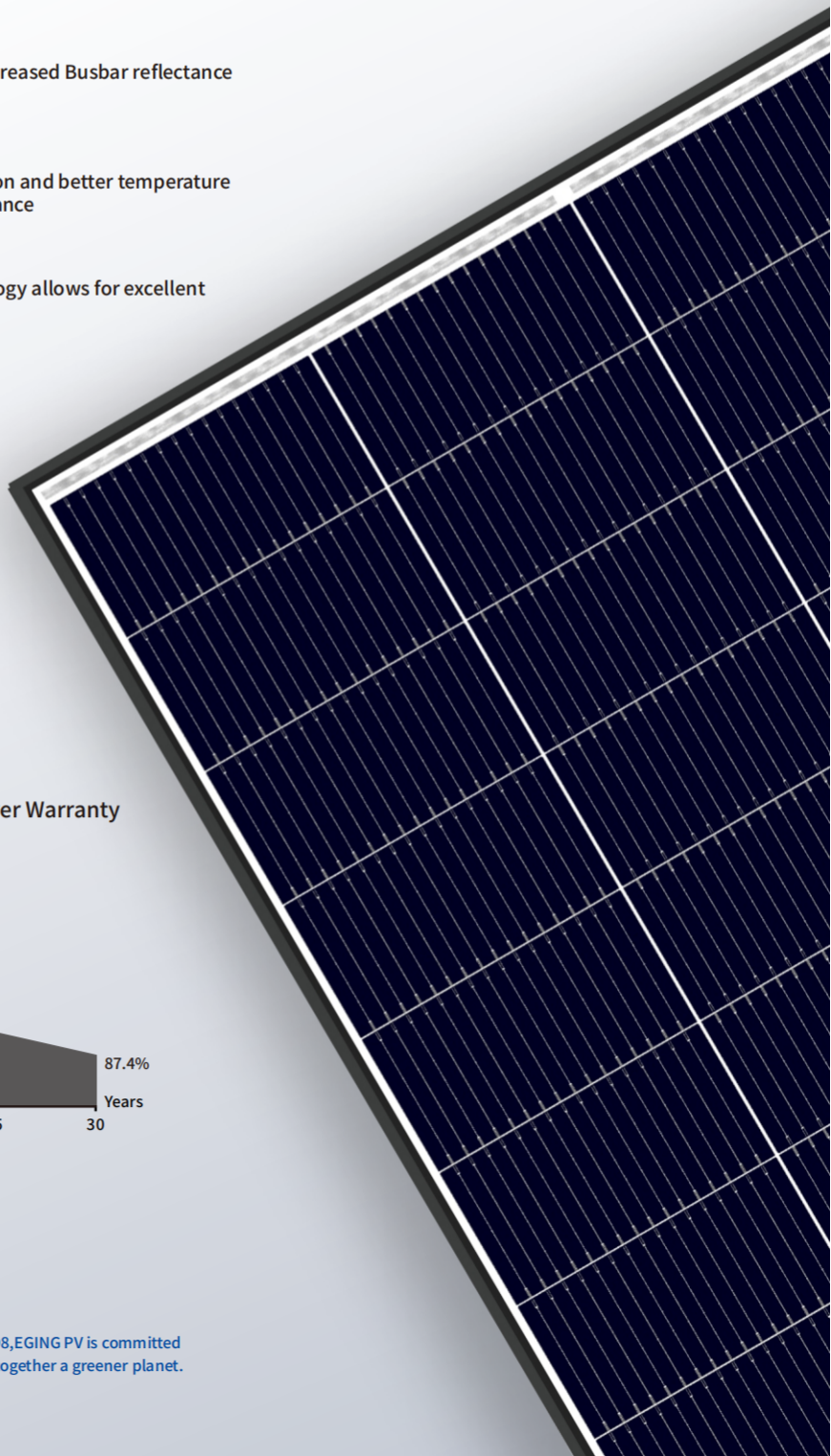
**SMBB cell design**
Super multi Busbar cells brings lower resistance and increased Busbar reflectance ensures higher power output

**Low degradation**
Adopt N-Type TOPCon cell technology, lower degradation and better temperature co-effeciency, 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

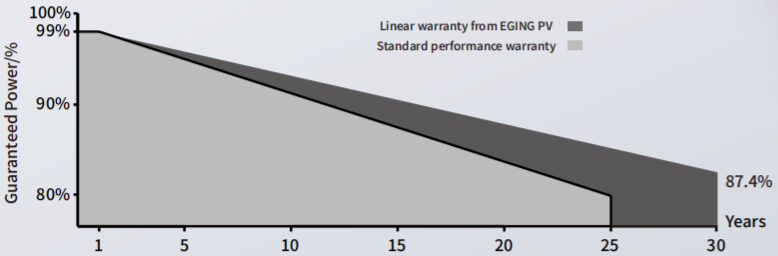
**Lower LCOE**
Super lower LCOE



## LINEAR PERFORMANCE WARRANTY

15 year Product Warranty
25 Year Product Warranty
(For rooftop installation only)

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 creat together a greener planet.

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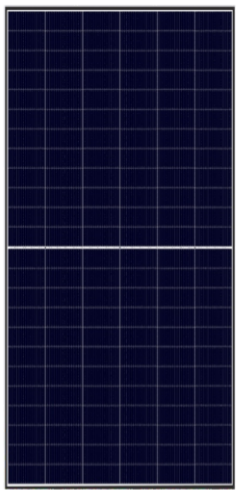
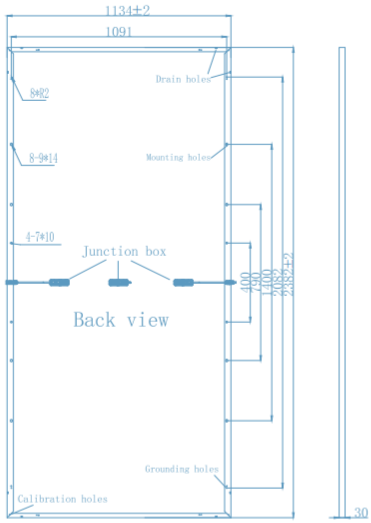
# EG-600NT72-HRaV EG-605NT72-HRaV

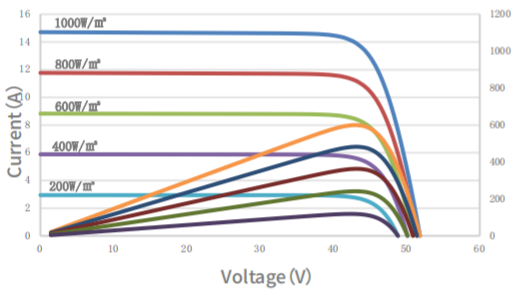
# EG-610NT72-HRaV EG-615NT72-HRaV

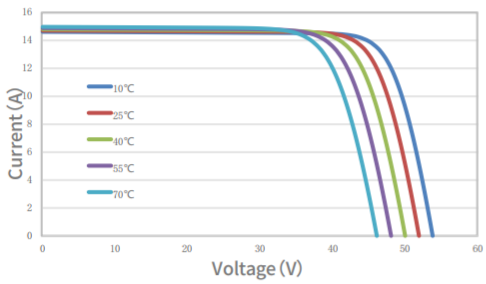
## Engineering Drawings





## I-V Curves




## 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(STC)

| Power level | 600 | 605 | 610 | 615 |
|---|---|---|---|---|
| Pmax (W) | 600 | 605 | 610 | 615 |
| Vmp (V) | 43.08 | 43.25 | 43.42 | 43.59 |
| Imp (A) | 13.93 | 13.99 | 14.05 | 14.11 |
| Voc (V) | 51.84 | 52.01 | 52.18 | 52.35 |
| Isc (A) | 14.71 | 14.77 | 14.83 | 14.89 |
| Module efficiency (%) | 22.2 | 22.4 | 22.6 | 22.8 |

| | |
|---|---|
| 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 |
| Tolerance | Pmax:±3% Binning:0-+5W Voc:±5% Isc:±5% |

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

## Working Characteristics (NOCT)

| Power level | 600 | 605 | 610 | 615 |
|---|---|---|---|---|
| Pmax (W) | 455 | 459 | 462 | 466 |
| Vmp (V) | 40.50 | 40.70 | 40.90 | 41.00 |
| Imp (A) | 11.23 | 11.27 | 11.32 | 11.36 |
| Voc (V) | 49.00 | 49.10 | 49.30 | 49.40 |
| Isc (A) | 11.86 | 11.91 | 11.96 | 12.01 |
| Tolerance | Pmax:±3% Binning:0-+5W Voc:±5% Isc:±5% | | | |
| NOCT (°C) | 44±2 | | | |

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

## Mechanical Characteristics

| | |
|---|---|
| Number of cells | 144pcs |
| Size of cell (mm) | 182.2*95.8 |
| 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) | 2382*1134*30 |
| Weight (kg) | 28.3 |
| Connectors -manufacture | E1-X-abcd Changzhou Eging Photovoltaic Tech. Co., Ltd.<br>Z4S-abcde Zerun Co. Ltd.<br>C2xyz Jiangsu Holysun Electronics Technology Co., Ltd.<br>PV-HT03x Jiangsu Haitian Microelectronics Corp.<br>PV-KST4-EVO2/xy_UR Staubli Electrical Connectors AG<br>PV-KBT4-EVO2/xy_UR |
| Length of Cable | +300mm/-300mm |
| Fire rating | Class c |
| Country of manufacture | China |

## Maximum Ratings

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

**Revised in September 2024 1st Edition**

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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