

# STAR Pro SERIES N-TOPCon 144-cell MODULE BIFACIAL

## EG-585NT72-HL/BF-DG

### 575~585W

±3% POSITIVE TOLERANCE

#### 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-efficiency, greatly increased on generation performance



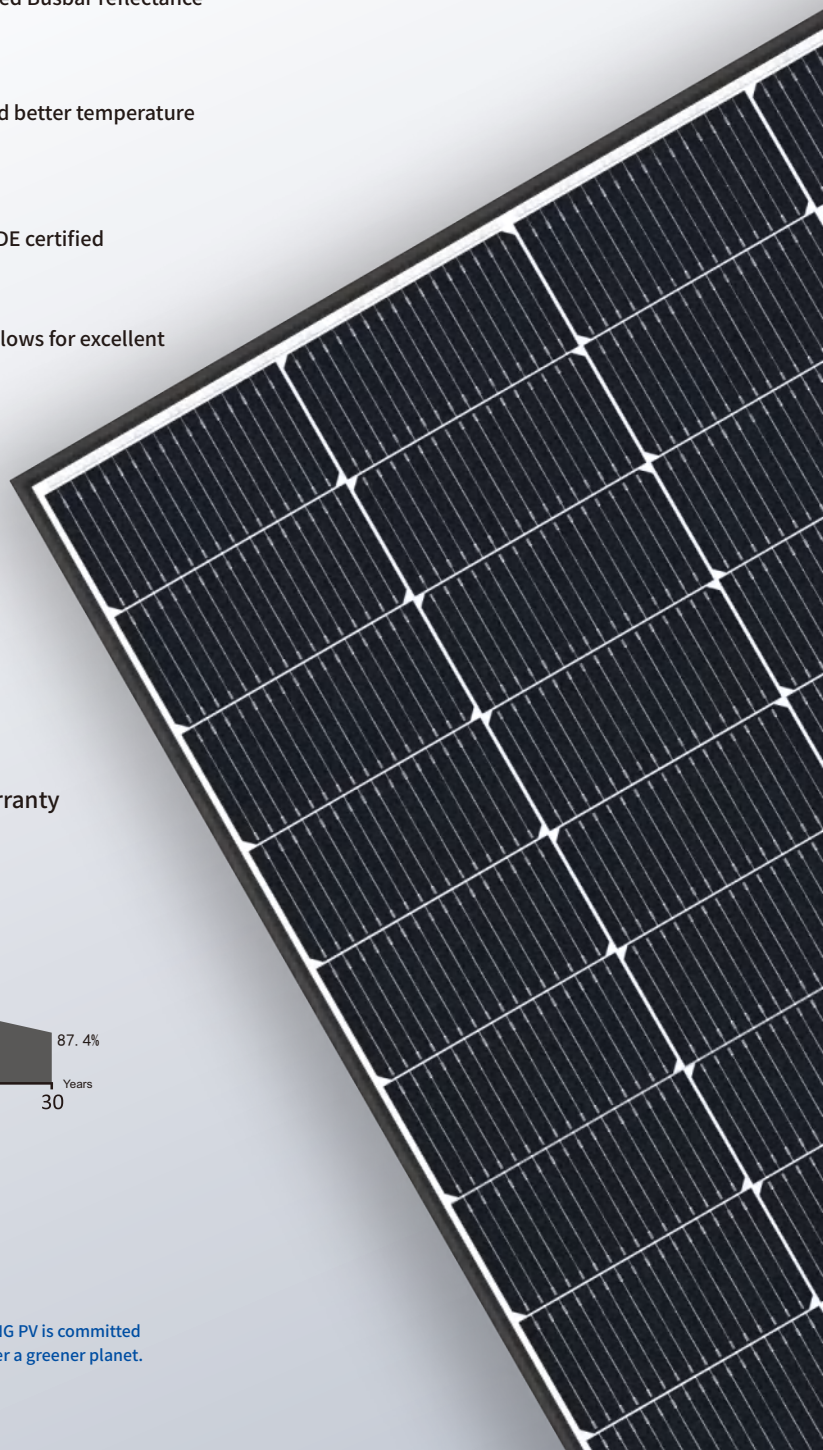
**High Reliability**  
Strict in-house testing in PV Lab which is CNAS approved & VDE certified



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

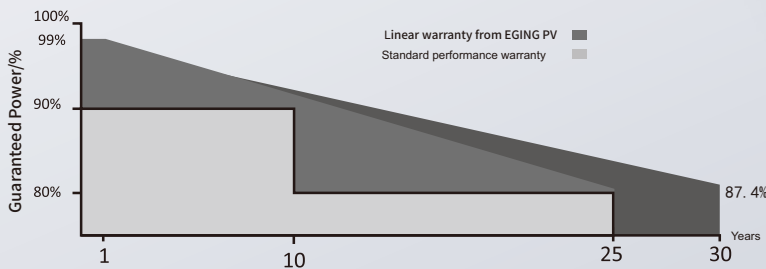


**PID Resistant**  
Excellent PID resistance performance optimized by unique structural design



#### LINEAR PERFORMANCE WARRANTY

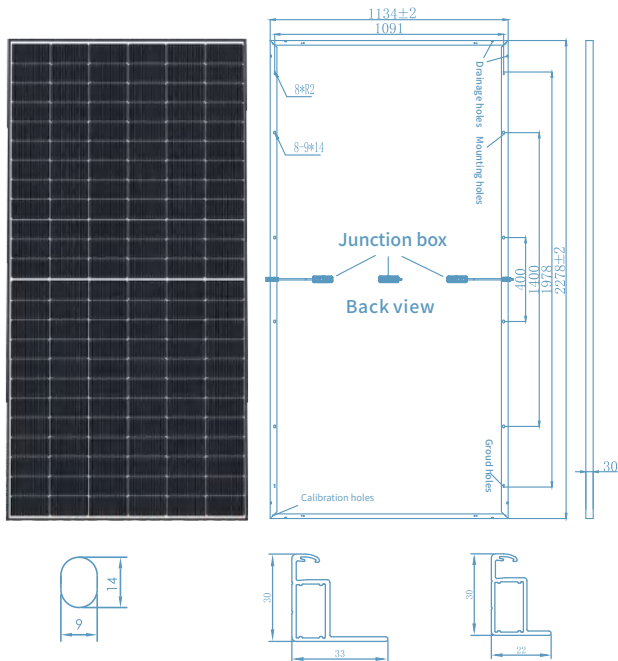
 25 Year Product Warranty  30 Year Linear Power Warranty



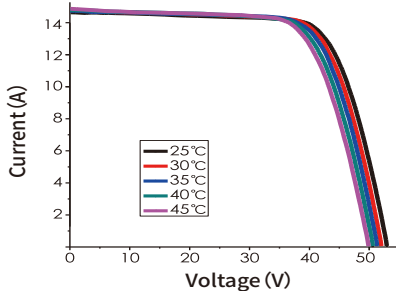
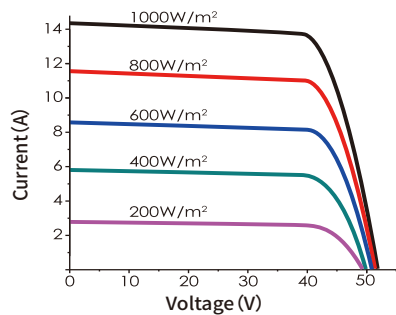
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

# EG-585NT72-HL/BF-DG

## Engineering Drawings



## I-V Curves



## Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2320*1135*1255
Weight of packing (kg)	1186
Pieces per container	720
Size of container	40' HC

## Electrical Characteristics

Power level	575	580	585
Pmax (W)	575	580	585
Vmp (V)	42.53	42.71	42.89
Imp (A)	13.52	13.58	13.64
Voc (V)	51.24	51.42	51.60
Isc (A)	14.31	14.37	14.43
Module efficiency (%)	22.3	22.5	22.6
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

Bifacial Output-Backside Power Gain

10%	Pmax (W)	632	638	644
	Module efficiency (%)	24.5	24.7	24.9
20%	Pmax (W)	690	696	702
	Module efficiency (%)	26.7	26.9	27.2

## Working Characteristics (STC)

Power level	575	580	585
Pmax (W)	432	436	441
Vmp (V)	39.78	39.90	40.10
Imp (A)	10.86	10.93	11.00
Voc (V)	48.73	48.92	49.14
Isc (A)	11.54	11.59	11.64
Tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%		
NOCT (°C)	44 ± 2		

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

## Working Characteristics (BNPI)

Pmax (W)	637	642	648
Voc (V)	51.27	51.44	51.62
Isc (A)	15.86	15.92	15.98
Tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%		

Bifaciality: Pmax 80% ± 10%, φVoc 98% ± 2%, φIsc 80% ± 10%

## Mechanical Characteristics

Number of cells	144pcs	
Size of cell (mm)	182*91	
Type of cell	N-type Mono	
Thickness of glass (mm)	2.0	
Type of frame	Anodized aluminum alloy	
Junction box	IP68	
Size of module (mm)	2278*1134*30	
Weight (kg)	31.7	
Connectors	E1-X-abcd	Changzhou Eging Photovoltaic Tech. Co., Ltd.
-manufacture	Z4S-abcde	Zerun Co. Ltd.
	C2xyz	Jiangsu Holsun Electronics Technology Co., Ltd.
	PV-HT03x	Jiangsu Haitian Microelectronics Corp.
	PV-KST4EVO2/xy_UR	Staubli Electrical Connectors AG
	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



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