

STAR Pro⁺ SERIES

N-TOPCon
144-cell MODULE BIFACIAL

EG-620NT72-HRa/BF-DG

595~620W

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

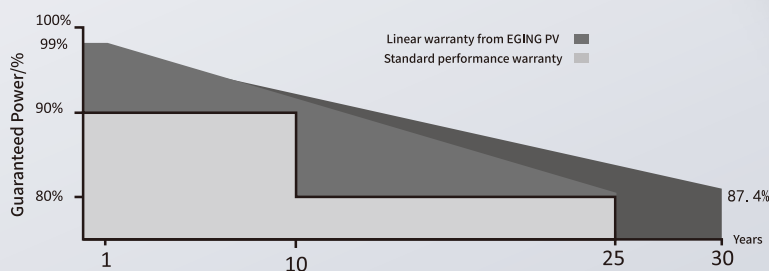


Lower LCOE

Super lower LCOE

LINEAR PERFORMANCE WARRANTY

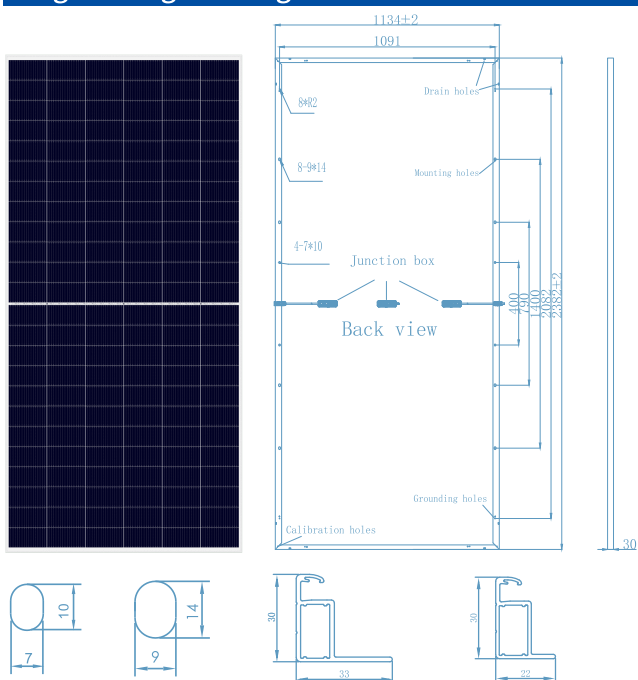
12 12 Year Product Warranty **30** 30 Year Linear Power Warranty



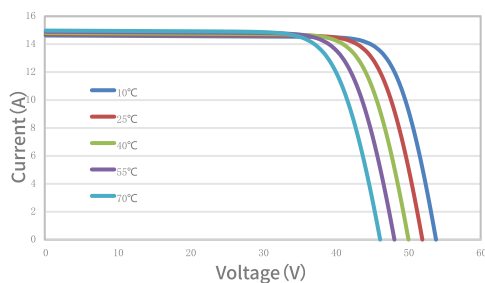
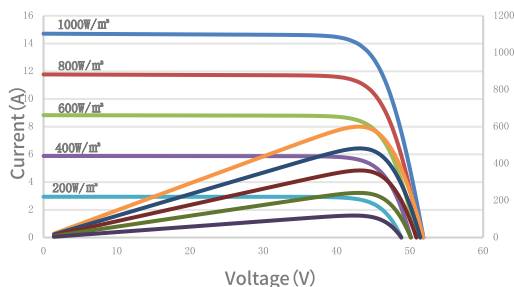
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-620NT72-HRa/BF-DG

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	2395*1130*1255
Weight of packing (kg)	1249
Pieces per container	720
Size of container	40'HC

Electrical Characteristics

Power level	595	600	605	610	615	620
Pmax (W)	595	600	605	610	615	620
Vmp (V)	43.00	43.17	43.34	43.51	43.68	43.85
Imp (A)	13.84	13.90	13.96	14.02	14.08	14.14
Voc (V)	51.74	51.91	52.08	52.25	52.42	52.60
Isc (A)	14.63	14.69	14.75	14.81	14.87	14.93
Module efficiency (%)	22.0	22.2	22.4	22.6	22.8	23.0
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/m², module temperature 25°C, AM=1.5

Bifacial Output-Backside Power Gain

Example: Output resistance Power Gain							
10%	Pmax(W)	655	660	666	671	677	682
	Module efficiency (%)	24.2	24.4	24.7	24.8	25.1	25.2
20%	Pmax(W)	714	720	726	732	738	744
	Module efficiency (%)	26.4	26.7	26.9	27.1	27.3	27.5

Working Characteristics

Power level	595	600	605	610	615	620
Pmax (W)	451	455	459	462	466	470
Vmp (V)	40.40	40.60	40.80	40.90	41.10	41.20
Imp (A)	11.16	11.21	11.25	11.30	11.35	11.40
Voc (V)	48.90	49.00	49.20	49.30	49.50	49.70
Isc (A)	11.80	11.85	11.89	11.94	11.99	12.04
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	144pcs
Size of cell (mm)	182.2*95.8
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)	2382*1134*30
Weight (kg)	33.3
Cables/connectors	4mm ² , MC4 compatible
Length of Cabel	Portrait: +300mm/-300mm

Maximum Ratings

Operating Temperature(°C)	-40~85
Operating humidity(°C)	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.