

STAR Pro SERIES N-TOPCon 156-cell MODULE

EG-625NT78-HLV

605~625W

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



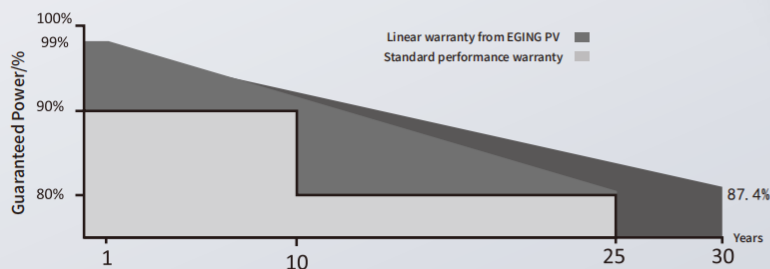
High Reliability
Strict in-house testing in PV Lab which is CNAS approved & TUV /VDE certified



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

LINEAR PERFORMANCE WARRANTY

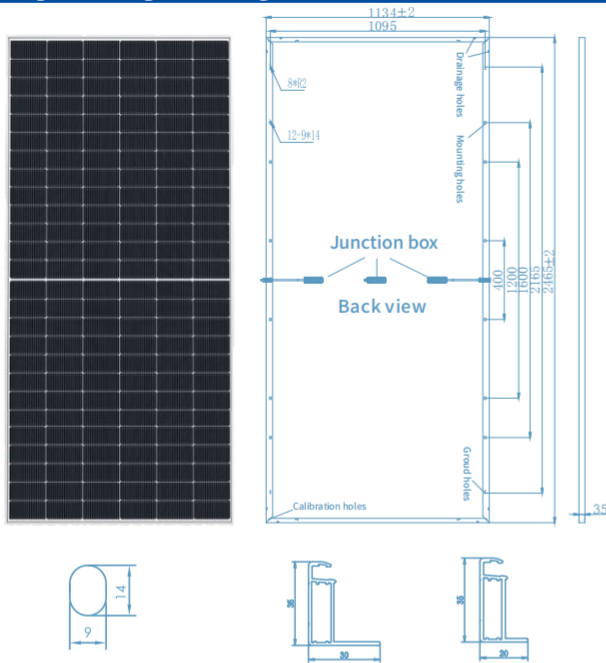
15 15 Year Product Warranty **30** 30 Year Linear Power Warranty



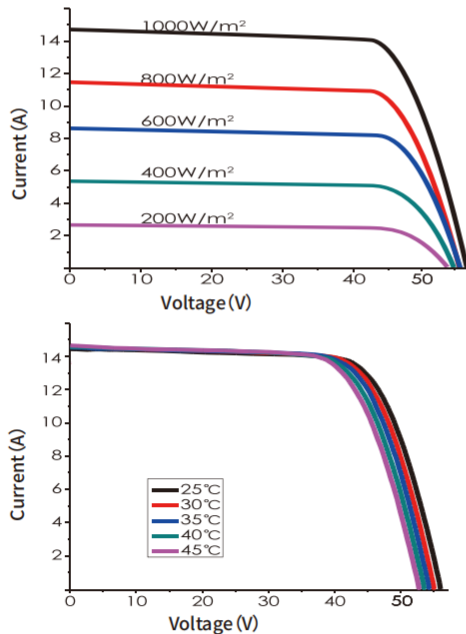
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-625NT78-HLV

Engineering Drawings



I-V Curves



Packing Configuration

Pieces per pallet	31
Size of packing (mm)	2490*1130*1425
Weight of packing (kg)	980
Pieces per container	558
Size of container	40'HC

Electrical Characteristics

Power level	605	610	615	620	625
Pmax (W)	605	610	615	620	625
Vmp (V)	45.26	45.39	45.53	45.66	45.79
Imp (A)	13.37	13.44	13.51	13.58	13.65
Voc (V)	55.08	55.23	55.38	55.53	55.68
Isc (A)	14.10	14.17	14.24	14.31	14.38
Module efficiency (%)	21.64	21.82	22.00	22.18	22.36
Maximum system voltage (V)	1500				
Fuse Rating (A)	25				
Temperature coefficient Pmax (%/°C)	-0.30				
Temperature coefficient Isc (%/°C)	0.046				
Temperature coefficient Voc (%/°C)	-0.25				

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

Working Characteristics

Power level	605	610	615	620	625
Pmax (W)	455	459	462	466	470
Vmp (V)	42.13	42.31	42.39	42.52	42.65
Imp (A)	10.80	10.85	10.90	10.96	11.02
Voc (V)	52.32	52.47	52.60	52.75	52.90
Isc (A)	11.32	11.38	11.44	11.49	11.56
Tolerance (%)	Pmax: ±3% Binning: ±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	156pcs
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)	2465*1134*35
Weight (kg)	30
Cables/connectors	62930 IEC 131, 1*4mm²/EGING : E1-X, QC Solar : QC4.10-cd, Zerus : Z45, Renhe : RHC2xyzu
Length of Cable	Portrait: +300mm/-300mm
Fire class	Class C

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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Specifications included in this datasheet are subject to change without notice.

Made in China

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