

STAR Pro SERIES N-TOPCon 156-cell MODULE

EG-635NT78-HLV

615~635W

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



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



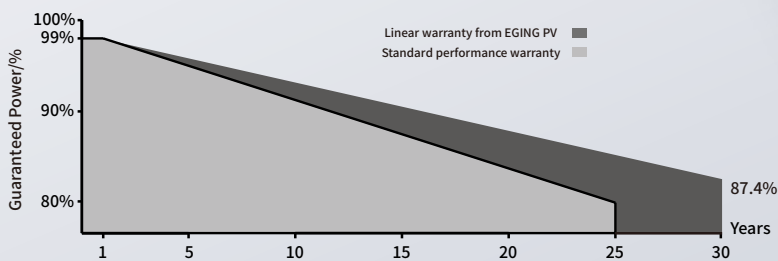
Excellent Low-light Performance
Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments



PID Resistant
Excellent PID resistance performance optimized by unique structural design

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.

Figure 10 consists of two graphs showing the effect of incident power and temperature on the current-voltage characteristics of the device.

The top graph plots Current (A) on the y-axis (ranging from 0 to 14) against Voltage (V) on the x-axis (ranging from 0 to 50). Five curves are shown, corresponding to different incident powers: 1000 W/m² (black), 800 W/m² (red), 600 W/m² (blue), 400 W/m² (teal), and 200 W/m² (purple). The current decreases as voltage increases, and the curves shift downwards as the incident power decreases.

The bottom graph plots Current (A) on the y-axis (ranging from 0 to 14) against Voltage (V) on the x-axis (ranging from 0 to 50). Five curves are shown, corresponding to different temperatures: 25 °C (black), 30 °C (red), 35 °C (blue), 40 °C (teal), and 45 °C (purple). The current decreases as voltage increases, and the curves shift downwards as the temperature increases.

Pieces per pallet	36
Size of packing (mm)	2490*1135*1255
Weight of packing (kg)	1019
Pieces per container	576
Size of container	40'HC

Power level	615	620	625	630	635
Pmax (W)	615	620	625	630	635
Vmp (V)	45.53	45.66	45.79	45.92	46.05
Imp (A)	13.51	13.58	13.65	13.72	13.79
Voc (V)	55.38	55.53	55.68	55.83	55.95
Isc (A)	14.24	14.31	14.38	14.45	14.52
Module efficiency(%)	22.0	22.2	22.4	22.5	22.7
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				

Power level	615	620	625	630	635
Pmax (W)	462	466	470	473	477
Vmp (V)	42.39	42.52	42.65	42.69	42.86
Imp (A)	10.90	10.96	11.02	11.08	11.13
Voc (V)	52.60	52.75	52.90	53.03	53.15
Isc (A)	11.44	11.49	11.56	11.63	11.70
Power tolerance (%)	0~+3				
NOCT (°C)	44±2				

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*30
Weight (kg)	28.3
Cables/connectors	4mm ² , MC4 compatible
Length of Cable	Portrait: +300mm/-300mm

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



Tel: 86-519-82585880
Zip: 213213
Add: No.18, Jinwu Road, Jintan Dist,
Changzhou City, Jiangsu Province.
Email: marketing@egingpv.com
Web: www.egingpv.com