

STAR Pro SERIES N-TOPCon 120-cell MODULE

EG-475NT60-HLV

475W

KEY FEATURES



SMBB cell design

Super multi Busbar cells brings lower resisitance 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



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

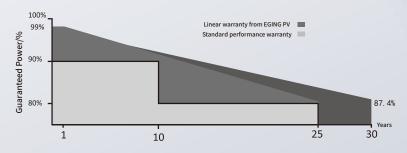
LINEAR PERFORMANCE WARRANTY



25) 25 Year Product Warranty



30 Year Linear Power Warranty

















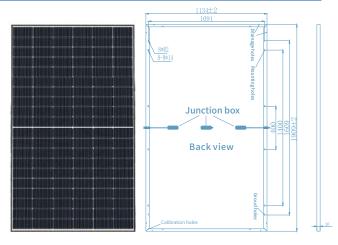


As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to creat together a greener planet.



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Engineering Drawings

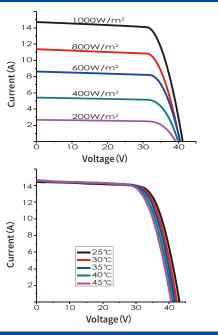








I-V Curves



Packing Configuration		
Pieces per pallet	36	
Size of packing (mm)	1940*1135*1255	
Weight of packing (kg)	848	
Pieces per container	864	
Size of container	40'HC	

Electrical Characteristics		
Power level	475	
Pmax (W)	475	
Vmp (V)	35.14	
Imp (A)	13.52	
Voc (V)	42.84	
Isc (A)	14.24	
Module efficiency (%)	21.94	
Maximum system voltage (V)	1500	
Fuse Rating (A)	25	
Power tolerance (%)	Pmax:±3% Voc:±5% lsc:±5%	
Temperature coefficient Pmax (%/°C)	-0.30	
Temperature coefficient lsc (%/°C)	0.046	
Temperature coefficient Voc (%/°C)	-0.25	

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

Working Characteristics		
Power level	475	
Pmax (W)	357	
Vmp (V)	33.09	
Imp (A)	10.79	
Voc (V)	40.39	
Isc (A)	11.50	
Power tolerance (%)	Pmax:±3%	
NOCT (°C)	44±2	

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

Mechanical Characteristics		
Number of cells	120pcs	
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)	1909*1134*30	
Weight (kg)	22.3	
Cables/connectors	62930 IEC 131, 1*4mm²/E1-X	
Length of Cabel	Portrait:+1200mm/-1200mm	

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

