

STAR Pro SERIES N-TOPCon 108-cell MODULE

EG-440NT54-HLV



OSW Specified

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

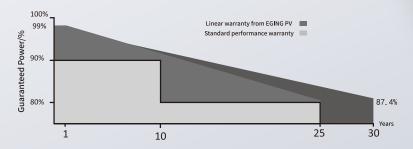
LINEAR PERFORMANCE WARRANTY



25) 25 Year Product Warranty



30 Year Linear Power Warranty

















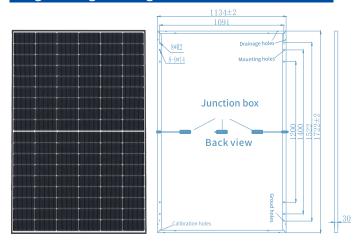


As a BloombergNEF Tier 1 and global leading manufacturer since 1998,EGING PV is committed to supplying reliable and durable PV products to customers to creat together a greener planet.



EG-440NT54-HLV

Engineering Drawings



Electrical Characteristics		
Power level	440	
Pmax (W)	440	
Vmp (V)	32.24	
Imp (A)	13.65	
Voc (V)	38.80	
Isc (A)	14.40	
Module efficiency (%)	22.53	
Maximum system voltage (V)	1500	
Fuse Rating (A)	25	
Power tolerance (%)	Pmax:±3% Binning:5W Voc:±5% Isc:±5%	
Temperature coefficient Pmax (%/°C)	-0.30	
Temperature coefficient lsc (%/°C)	0.046	
Temperature coefficient Voc (%/°C)	-0.25	

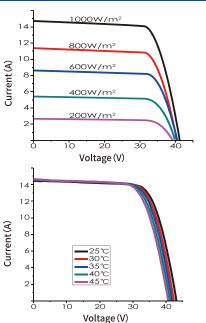
STC:Irradiance 1000W/m²,module temperature 25°C, AM=1.5







I-V Curves



Working Characteristics		
Power level	440	
Pmax (W)	331	
Vmp (V)	29.88	
Imp (A)	11.08	
Voc (V)	36.81	
Isc (A)	11.69	
Power tolerance (%)	Pmax:±3%	
NOCT (°C)	44±2	

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

	~7	200W/m²
	2-	
	-	0 10 20 30 40
		Voltage (V)
	7	
	14	
	12-	
	10-	
Current (A)	8-	\\\
ren	6-	—25°C
Ē	4	—25°C —30°C —35°C —40°C —45°C
		— 40°C 45°C
	2-	
	-	0 10 20 30 40
		Voltage (V)

Mechanical Characteristics		
Number of cells	108pcs	
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)	1722*1134*30	
Weight (kg)	20.2	
Cables/connectors	62930 IEC 131,1*4mm²/E1-X,QC4.10-cd,Z4S,RHC2xyzu	
Length of Cabel	Portrait:+1000mm/-1000mm	

Packing Configuration		
Pieces per pallet	36	
Size of packing (mm)	1750*1135*1255	
Weight of packing (kg)	772	
Pieces per container	936	
Size of container	40'HC	

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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