

STAR Pro SERIES N-TOPCon 32-cell MODULE BIFACIAL

EG-NT16-HL/BF-DG

120~132W

0~3% POSITIVE TOLERANCE

KEY FEATURES



SMBB cell design
Super multi Busbar cells bring lower resistance and increased Busbar reflectance ensures higher power output



Flexible configuration
Mini size model design, suitable for a variety of fixed modes



Low degradation
Adopt N-Type TOPCon cell technology, lower degradation and better temperature co-efficiency, greatly increased on generation performance



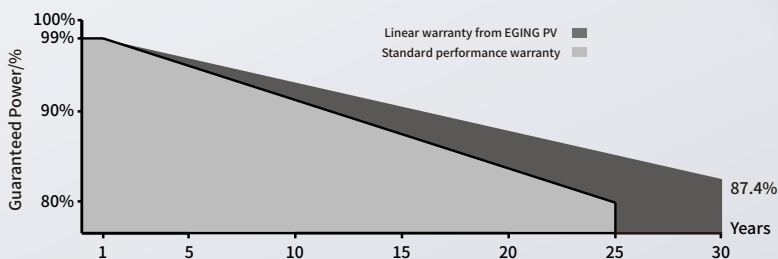
Excellent Low-light Performance
Advanced solar cell and glass surface texturing technology allows for excellent performance in low-light environments



PID Resistant
Excellent PID resistance performance optimized by unique structural design

LINEAR PERFORMANCE WARRANTY

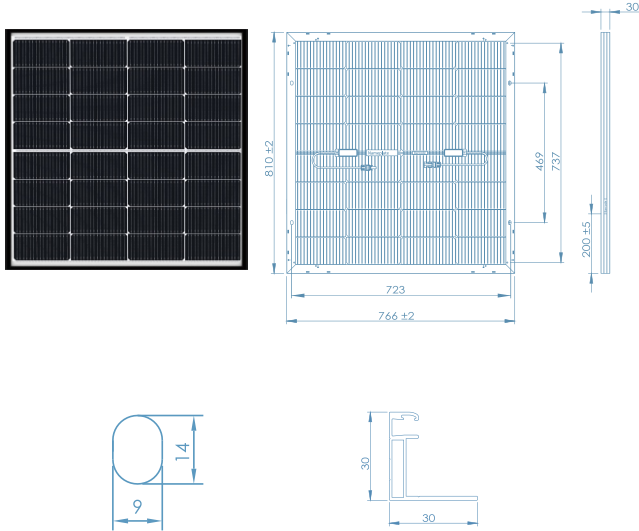
15 15 Year Product Warranty **30** 30 Year Linear Power Warranty



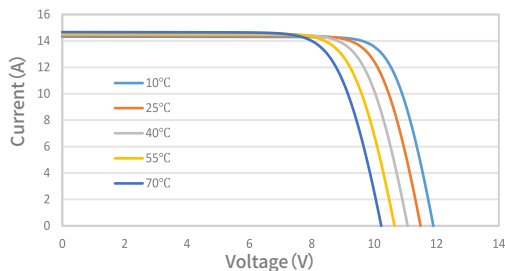
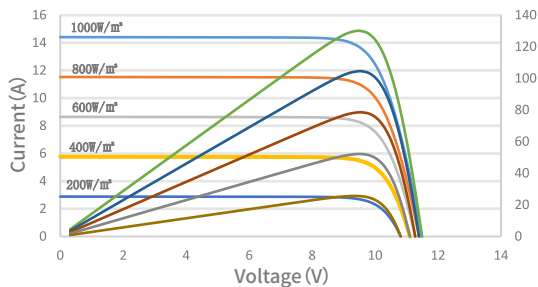
As a BloombergNEF Tier 1 and global leading manufacturer since 1998, EGING PV is committed to supplying reliable and durable PV products to customers to create together a greener planet.

EG-NT16-HL/BF-DG

Engineering Drawings



I-V Curves(130W)



Packing Configuration

Pieces per pallet	36
Size of packing (mm)	840*1118*887
Weight of packing (kg)	296
Pieces per container	2016
Size of container	40' HC

Electrical Characteristics

Power level	120	122	124	126	128	130	132
Pmax (W)	120	122	124	126	128	130	132
Vmp (V)	9.18	9.25	9.33	9.40	9.47	9.54	9.61
Imp (A)	13.08	13.19	13.30	13.41	13.52	13.63	13.74
Voc (V)	11.14	11.21	11.28	11.35	11.42	11.49	11.56
Isc (A)	13.86	13.97	14.08	14.19	14.30	14.41	14.52
Module efficiency (%)	19.3	19.7	20.0	20.3	20.6	21.0	21.3
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

10%	Pmax(W)	132	134	136	139	141	143	145
	Module efficiency (%)	21.3	21.6	22.0	22.3	22.7	23.0	23.4
20%	Pmax(W)	144	146	149	151	154	156	158
	Module efficiency (%)	23.2	23.6	24.0	24.4	24.8	25.1	25.5

Working Characteristics

Power level	120	122	124	126	128	130	132
Pmax (W)	91	93	94	96	97	99	100
Vmp (V)	8.6	8.7	8.7	8.8	8.9	8.9	9.0
Imp (A)	10.57	10.66	10.76	10.85	10.94	11.03	11.12
Voc (V)	10.5	10.6	10.7	10.7	10.8	10.9	10.9
Isc (A)	11.17	11.26	11.35	11.44	11.53	11.61	11.70
Power tolerance (%)	0~+3						
NOCT (°C)	44±2						

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

Working Characteristics (BNPI)

Pmax (W)	133	135	137	140	142	144	146
Voc (V)	11.15	11.23	11.29	11.37	11.44	11.51	11.58
Isc (A)	15.36	15.48	15.60	15.72	15.84	15.97	16.09
Tolerance (%)	Pmax: ±3% Binning: ±5W Voc: ±5% Isc: ±5%						

BNPI:Front Irradiance1000W/m²,Rear Irradiance 135W/m², module temperature25°C, AM=1.5
 Bifaciality:Pmax80%±10%,φVoc98%±2%,φIsc80%±10%

Mechanical Characteristics

Number of cells	32pcs
Size of cell (mm)	182*91
Type of cell	N-type Mono
Thickness of glass (mm)	1.6
Type of frame	Anodized aluminum alloy
Junction box	IP68
Size of module (mm)	810*766*30
Weight (kg)	7.5
Cables/connectors	4mm², MC4 compatible
Length of Cabel	Portrait: +300mm/-300mm

Maximum Ratings

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



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