

# FANTASY SERIES

N-TOPCon  
108-cell MODULE

EG-255NT54-HL-RB.I


255W


## ADVANTAGE DESCRIPTION


**01** Free color  
multiple colors are available, stable without color difference


**02** Extraordinary adaptability  
Flexible configuration, suitable for various roof scenarios


## KEY FEATURES


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

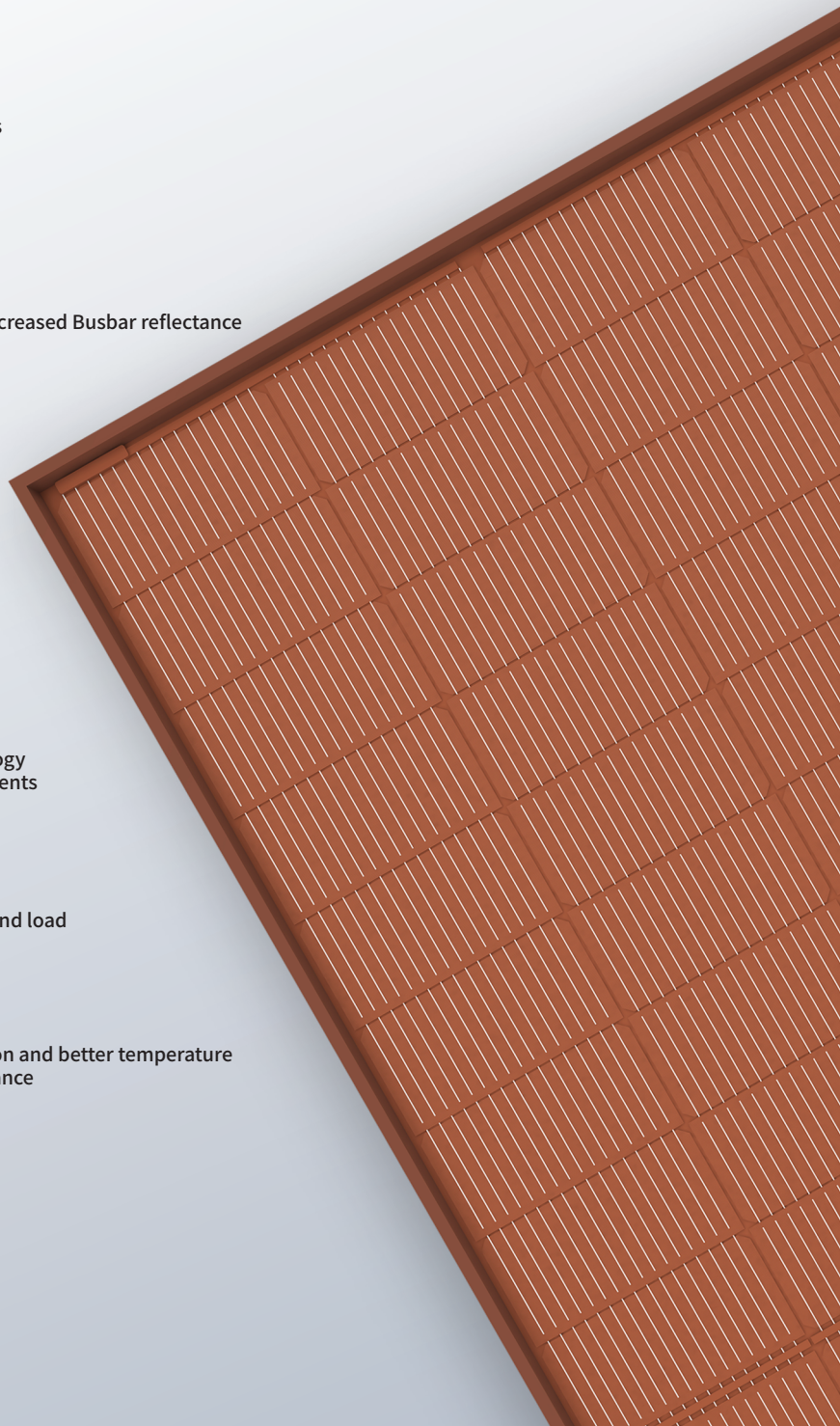
 **PID Resistant**  
Excellent PID resistance performance optimized by unique structural design

 **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

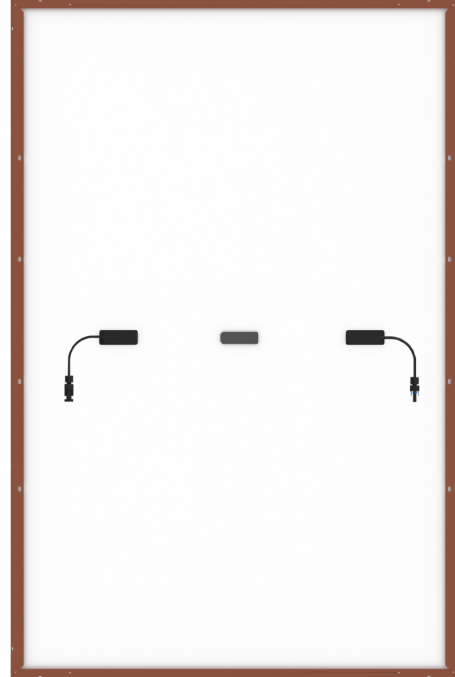
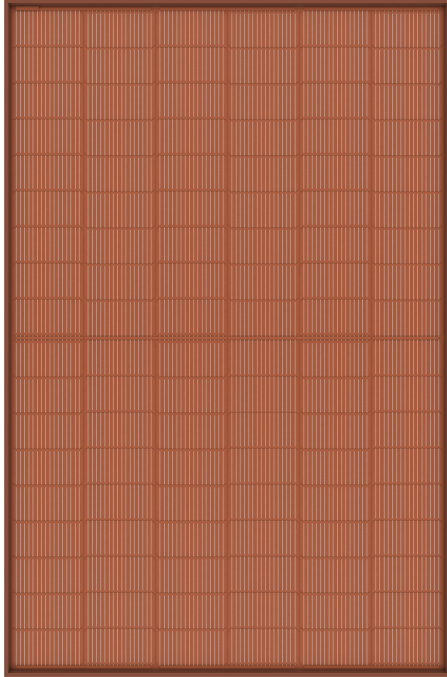
 **Highly Mechanical Load Design**  
Certified to withstand: 5400Pa snow load and 2400Pa wind load

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

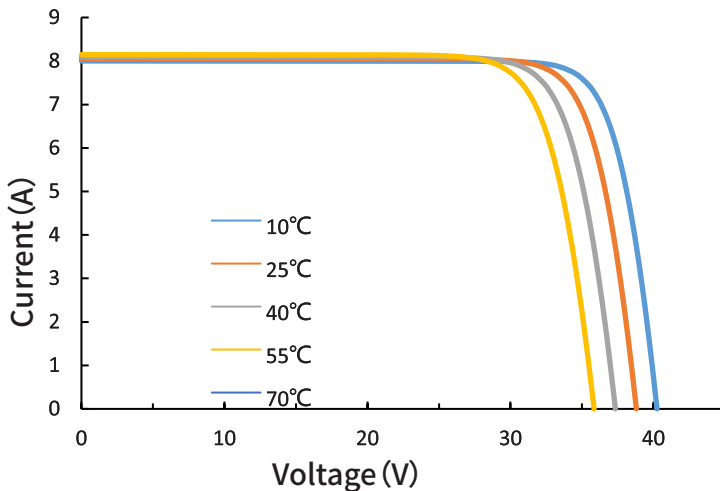


# EG-255NT54-HL-RB.I

## Engineering Drawings



## I-V Curves



## Electrical Characteristics

Power level	255
P <sub>max</sub> (W)	255
V <sub>mp</sub> (V)	33.34
I <sub>mp</sub> (A)	7.65
V <sub>oc</sub> (V)	38.80
I <sub>sc</sub> (A)	8.05
FF (%)	81.64
Maximum system voltage (V)	1500
Fuse Rating (A)	25
Temperature coefficient P <sub>max</sub> (%/°C)	-0.29
Temperature coefficient I <sub>sc</sub> (%/°C)	0.046
Temperature coefficient V <sub>oc</sub> (%/°C)	-0.24

## 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



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