

# N Type Bifacial Module 415W-435W

Illuminate your home elegantly with  
all-black module.



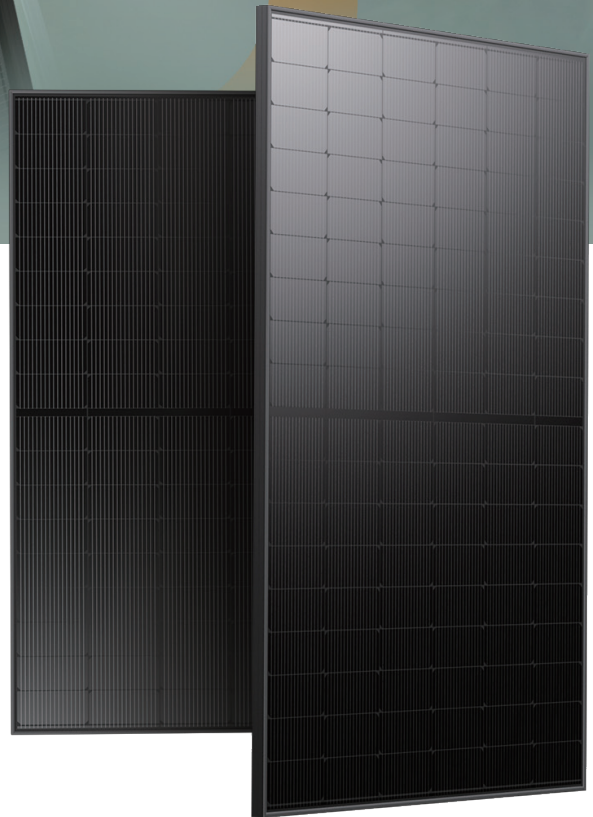
Outstanding and  
Sleek Appearance



Higher Efficiency and  
Power Generation



Excellent Anti-PID  
Performance Guarantee



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### ELECTRICAL SPECIFICATIONS

Module Type	ET-N754TBH415GB		ET-N754TBH420GB		ET-N754TBH425GB		ET-N754TBH430GB		ET-N754TBH435GB	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P <sub>mp</sub> (W)	415	312	420	316	425	320	430	323	435	327
Open Circuit Voltage -V <sub>oc</sub> (V)	38.26	36.35	38.46	36.54	38.66	36.73	38.86	36.92	39.06	37.11
Short Circuit Current -I <sub>sc</sub> (A)	13.45	10.85	13.52	10.91	13.58	10.96	13.65	11.02	13.72	11.07
Maximum Power Voltage -V <sub>mp</sub> (V)	32.84	30.90	33.02	31.08	33.21	31.26	33.39	31.43	33.55	31.57
Maximum Power Current -I <sub>mp</sub> (A)	12.64	10.10	12.72	10.17	12.8	10.24	12.88	10.28	12.97	10.36
Module Efficiency STC-η <sub>m</sub> (%)	21.3%		21.5%		21.8%		22.0%		22.3%	
Power Tolerance (W)					0-+3%					
Pmax Temperature Coefficient					-0.30%/°C					
Voc Temperature Coefficient					-0.22%/°C					
Isc Temperature Coefficient					+0.042%/°C					
Fire Performance					Type 29(UL)					

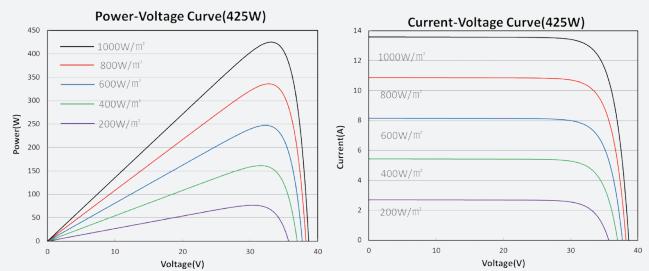
### REAR SIDE POWER GAIN (ET-N754TBH425GB)

Power Gain	10%	15%	20%	25%
Maximum Power -P <sub>mp</sub> (W)	468	489	510	531
Open Circuit Voltage -V <sub>oc</sub> (V)	38.66	38.66	38.66	38.66
Short Circuit Current -I <sub>sc</sub> (A)	14.79	15.47	16.12	16.78
Maximum Power Voltage -V <sub>mp</sub> (V)	33.21	33.21	33.21	33.21
Maximum Power Current -I <sub>mp</sub> (A)	14.1	14.73	15.36	15.99

### MECHANICAL SPECIFICATIONS

External Dimension	1722 x 1134 x 30mm
Weight	24kg
Solar Cells	N Type 182 x 91 mm (108pcs)
Front Glass/Back Glass	2.0mm/2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm <sup>2</sup> (12AWG), Portrait:200mm(+)/400mm(-);Or customized
Connector	MC4 Compatible
Power Bifaciality*	80%±10%

### CURVE

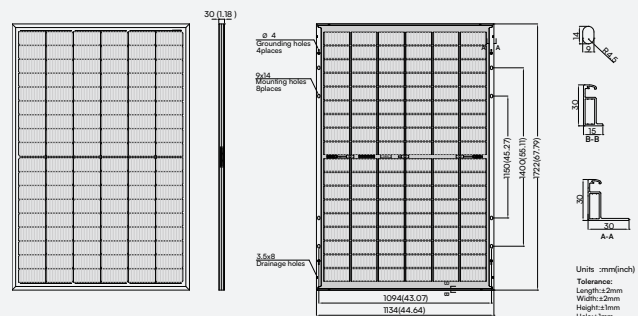


### APPLICATION CONDITIONS

Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	5400Pa/2400Pa

### PHYSICAL CHARACTERISTICS

Unit:mm



\* The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact LumenHaus.

### PACKING MANNER

Container	40'HQ
Pieces per Pallet	36
Size of packing (mm)	1760*1130*1264
Weight of packing (kg)	903
Pieces per Container	936/756(NA)

Units :mm(inch)  
Tolerance:  
Length:±2mm  
Width:±2mm  
Height:±1mm  
Hole:±1mm