



Aesthetically
Designed Solar Panel
SunCatcher

The sun-powered solution –
efficient and elegant.

 Sleek Appearance Design

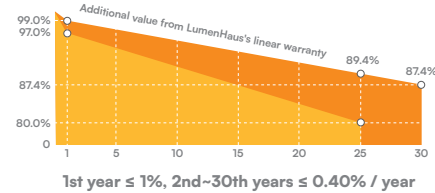
 High Efficiency Generation

 Excellent Anti-PID
Performance Guarantee



Warranty

- Standard Module Performance Warranty
- LumenHaus N Type Mono Module Linear Performance Warranty



30
YEARS

Linear power
output warranty

25
YEARS

Guarantee on product
material and workmanship



IEC61215
IEC61730
UL61215
UL61730



Intertek



TOP PERFORMANCE
2024
PVEL
RELIABILITY BOARD

Technical Data



Electrical Specifications			
Module Type	LH-NR48TBH440GL/GB		
STC/NOCT	STC	NOCT	
Maximum Power -Pmp (W)	440	333	
Open Circuit Voltage -Voc (V)	35.29	33.83	
Short Circuit Current -Isc (A)	15.79	12.69	
Maximum Power Voltage -Vmp (V)	29.38	27.48	
Maximum Power Current -Imp (A)	14.98	12.10	
Module Efficiency STC-η (%)	22.0%		
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	Typ 29 (UL)		
Mechanical Specifications		Curve	
External Dimension	1762 × 1134 × 30 mm / 69.37 × 44.65 × 1.18 inch		
Weight	24.5 kg / 54.01 lbs		
Solar Cells	N-Type Mono-Crystalline (96 pcs)		
Front Glass/Back Glass	2.0 mm / 2.0 mm (0.08 inch)		
Frame	Anodized Aluminium Alloy		
Junction Box	IP68, 3 Diodes		
Cable Length (Including Connector)	4,0 mm² (12 AWG) , Portrait: 200 mm (+) / 400 mm (-); Or customized		
Connector	MC4 Compatible		
Power Bifaciality*	80 % ±10 %		
Application Conditions		Physical Characteristics	
Maximum System Voltage (DC)	1500 V		
Maximum Series Fuse Rating	30 A		
Operating Temperature	-40°C ~ 85°C		
Nominal Operating Cell Temperature	45°C ±2°C		
Maximum Mechanical Load	5400 Pa / 2400 Pa		
Hail Protection	Withstands hailstones up to 25 mm in diameter at speeds of up to 23 m/s.		
Packing Manner		</	

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