

Technical Data



**SunCatcher
Bifacial Module Type N
440W**

Illuminate your home elegantly
with all-black panels.

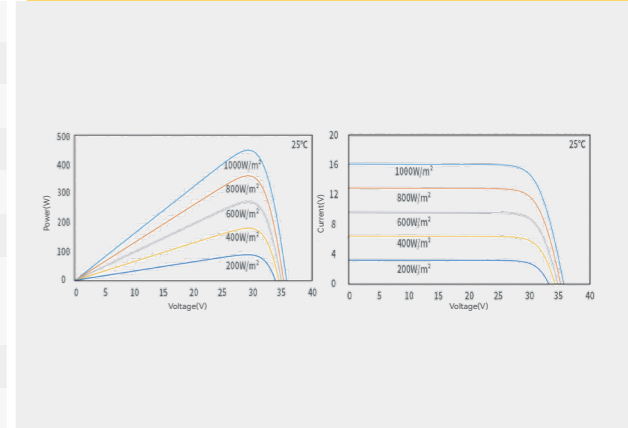
ELECTRICAL SPECIFICATIONS(STC)

Module Type	LH-NR48TBH440GB
Maximum Power -P mp (W)	440
Open Circuit Voltage -V oc (V)	34.92
Short Circuit Current -Isc (A)	15.94
Maximum Power Voltage -V mp (V)	29.65
Maximum Power Current -I mp (A)	14.84
Module Efficiency STC-η m (%)	22.00%
Power Tolerance(W)	0~+5%
Pmax Temperature Coefficient	-0.30%/°C
Voc Temperature Coefficient	-0.25%/°C
Isc Temperature Coefficient	+0.045%/°C
Fire Performance	Class II

MECHANICAL SPECIFICATIONS

External Dimension	1762 x 1134 x 30mm
Weight	21kg
Solar Cells	N Type 182 x 105 mm (96pcs)
Front Glass/Back Glass	2.0mm/1.6mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
CableLength: (including connector)	4.0mm2(12AWG), Portrait:200mm(+)/ 400mm(-); Or customized
Connector	MC4 Compatible
Power Bifaciality	80%±5%

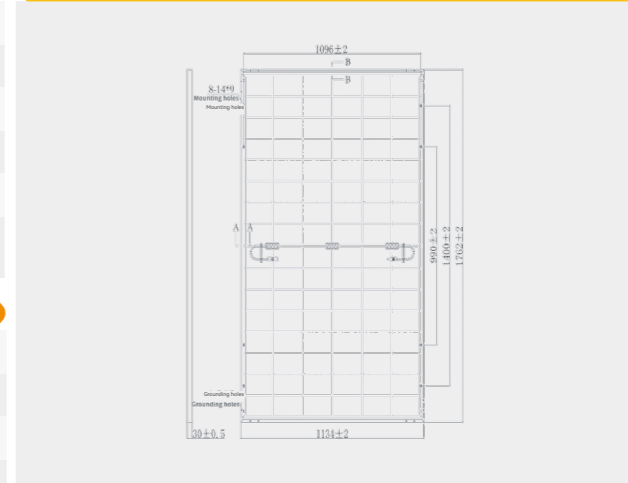
CURVE



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
Hail protection	Ice balls with a maximum size of 25mm and a speed of 23m/s.

PHYSICAL CHARACTERISTICS Unit:mm

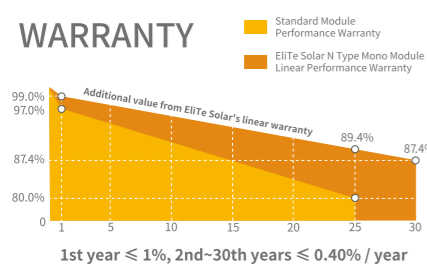


*The above drawing is a graphical representation of the product.
For engineering quality drawings please contact LumenHaus GmbH.

PACKING MANNER

Container	40'HQ
Pieces per Pallet	36
Size of Packing (mm)	1778*1110*1240
Weight of Packing (kg)	840
Pieces per Container	936

- Outstanding and Sleek Appearance Design
- Higher Efficiency and Power Generation
- Excellent Anti-PID Performance Guarantee



30 Jahre Standard
Lineare Leistungsgarantie

12 Jahre Standard
Garantie auf Material und Verarbeitung

IEC IEC61215 IEC61730 UL61215 UL61730

Intertek

CE

2024 PV ELITE SOLAR RELIABILITY STORECARD