



Aesthetically Designed Solar Panel SunCatcher

The sun-powered solution – efficient and elegant.

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(A)		29.38	27.48
Maximum Power Current -Imp(V)		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 × 1.18inch		<div><div>Power-Voltage Curve(450W)</div></div> <div><div>Current-Voltage Curve(450W)</div></div>	
Weight	24.5kg/54.01lbs		
Solar Cells	N-Type Mono-crystalline (96pcs)		
Front Glass/Back Glass	2.0mm/2.0mm(0.08inch)		
Frame	Anodized aluminium alloy		
Junction Box	IP68, 3 diodes		
Cable Length (Including Connector)	4,0 mm²(12AWG), Portrait: 200mm(+)/400mm(-); Or customized		
Connector	MC4 Compatible		
Power Bifaciality*	80%±10%		
Application Conditions		Physical Characteristics	
Maximum System Voltage	1500VDC	<div></div> <div><div>Units: mm (Zoll)</div><div>Tolerance:</div><div>Length: +2 mm</div><div>Width: +2 mm</div><div>Height: ±1 mm</div><div>Hole: ±1 mm</div></div>	
Maximum Series Fuse Rating	30A		
Operating Temperature	-40~+85°C		
Nominal Operating Cell Temperature	45±2°C		
Maximum Mechanical Load	5400Pa/2400Pa		
Hail Protection	Withstands hailstones up to 25mm in diameter at speeds of up to 23m/s.		
Packing Manner			
Container	40'HQ		
Pieces per Pallet	36		
Size of packing (mm/inch)	1785 × 1130 × 1264 / 70.28 × 44.49 × 49.76		
Weight of packing (kg/lbs)	921/2030.46		
Pieces per Container (Normal/Weight-limited area)	936/720		

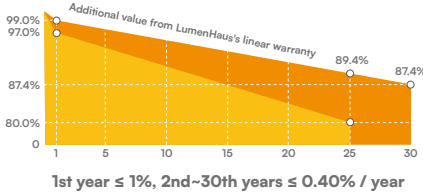
Outstanding and Sleek Appearance Design

Higher Efficiency and Power Generation

Excellent Anti-PID Performance Guarantee

Warranty

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



Linear power output warranty



Guarantee on product material and workmanship

