

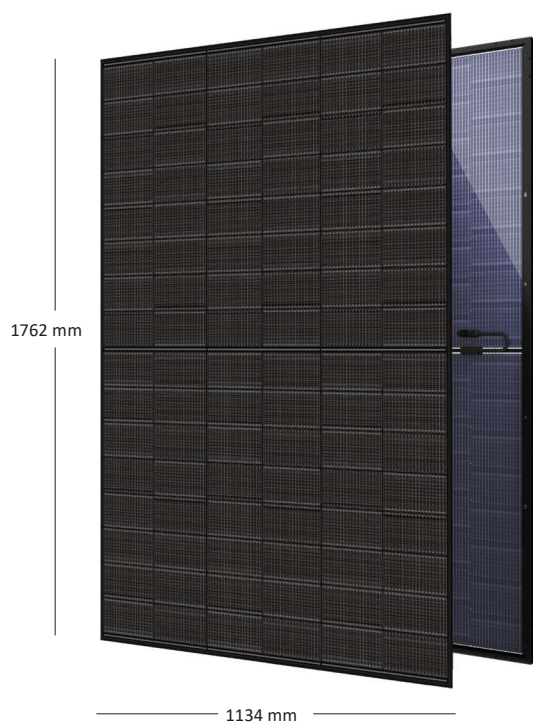
## Quartz HJT 450 Wp

Heterojunction technology  
96 Half-cells • Dual-glass • Double-sided  
Version date 10 February 2025

# mylight 150

### Produce more energy, for longer!

The Quartz HJT 450 Wp represents genuine innovation, combining great performance with robustness. Heterojunction technology in a double-sided, dual-glass panel gives maximised energy production in real-life conditions, whether the day is scorching hot or cloudy. Make your installation cost-effective more quickly, with a surface area smaller than 2m<sup>2</sup>.



Our most powerful panel



#### Exceptional performance and superior energy production throughout the lifetime of the product

With module efficiency of 22.52%, and an annual degradation rate of 0.36%, compared with 0.4% for an N-Type panel, the HJT 450 offers guaranteed higher production levels for 30 years.



#### Better energy production, even on hot days

With a temperature coefficient of -0.26%/°C compared with -0.31%/°C for an N-type panel, the HJT 450 maintains good performance levels even in very hot weather.

On a summer day (with ambient temperature of 30°C), the heterojunction panel will produce 25% more energy than an N-type panel.



#### Maximised production, even on cloudy days

In cloudy weather, the heterojunction cells of the Quartz HJT 450 Wp generate more energy than an N-Type panel.

Your installation maintains a higher level of performance even irradiance is low.



#### Double-sided, naturally

The Quartz HJT 450 Wp is double-sided: it captures sunlight on both surfaces. But that's not all, its double-sided coefficient is higher compared with other panels and means it can generate up to +30% more energy.



#### Flexible cells without micro-cracks...

The heterojunction cells are flexible and are therefore not subject to the risks of micro-cracks.



#### ...Protected by dual-glass

Encapsulated by two layers of glass, on the front and rear sides, they are fully protected against humidity, throughout the lifetime of the panel.



#### Synchronised energy

mylight150 is a designer and distributor of solar self-consumption technologies and smart energy management, bringing a guaranteed perfect balance between your comfort and your budget.

MODULE EFFICIENCY

**22.52%**

PRODUCT AND PERFORMANCE WARRANTY

**30 YEARS**

# Quartz HJT 450Wc

MYL-210R-B96DSN450

## Mechanical data

<b>Dimensions (L/W/H)</b>	<b>1762 x 1134 x 30 mm</b>
Weight	21.8 kg
Number, dimensions and type of cells	96 heterojunction half-cells Monocrystalline 182x105 mm
Front/rear glass	High-transparency, anti-reflection glass, 1.6mm x 2
Frame	Anodized aluminium
Type of connector	Stäubli EV02
Junction box	IP68
Connecting cable	4.0 mm <sup>2</sup> , 1200 mm
Mechanical load	Front 5400Pa / Rear 2400Pa

## Package configuration

Modules per pallet	36
Modules per truck	936

## Electrical characteristics

MODEL	450 WC	
	Front (STC*)	Rear (BSTC**)
Maximum power P <sub>max</sub> (W)	450	504
Open circuit voltage V <sub>oc</sub> (V)	36.56	36.69
Short-circuit current I <sub>sc</sub> (A)	15.36	17.22
Voltage at maximum power V <sub>mp</sub> (V)	30.72	30.82
Current at maximum power I <sub>mp</sub> (A)	14.66	16.37
Cell efficiency	26.1%	
<b>Module efficiency</b>	<b>22.52%</b>	

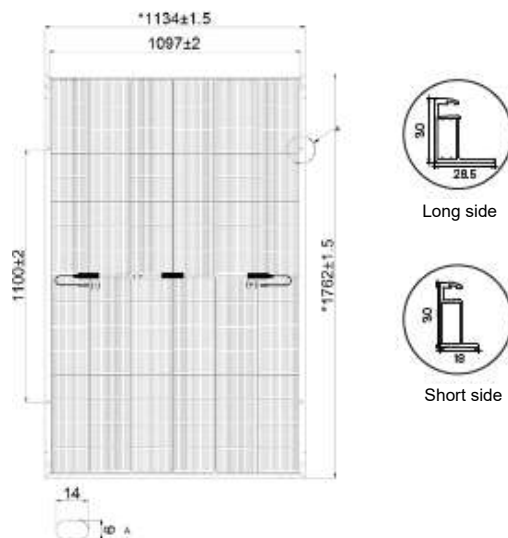
\*STC (Standard Test Conditions): Irradiance 1,000 W/m<sup>2</sup>, module temperature 25°C; AM = 1.5.

\*\*BSTC: Front side irradiation 1000W/m<sup>2</sup>, back side reflection irradiation 135W/m<sup>2</sup>, AM=1.5, ambient temperature 25°C.

## Conditions of use

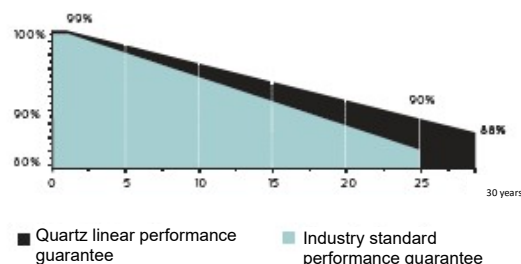
Maximum system voltage	1500V DC
Standard fuse rating	30 A
<b>Power tolerance (%)</b>	<b>+/- 3</b>
<b>Pmax double-sided coefficient</b>	<b>85% +/- 5%</b>
<b>Pmax Temperature coefficient</b>	<b>-0.26%/°C</b>
V <sub>oc</sub> Temperature coefficient	-0.24%/°C
I <sub>sc</sub> Temperature coefficient	+0.04%/°C
Operating temperature	-40 ~+85°C

## Dimensions\*



\*all dimensions are in mm

## Linear performance guarantee



## Qualifications and certificates



## Quality standards



FTE-0089-Fiche technique mylight150 Quartz HJT 450 Wc



**Individual customers** 0800 710 226  
09:00 to 18:00

**Trade customers** 04 69 84 42 94  
09:00 to 18:00



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