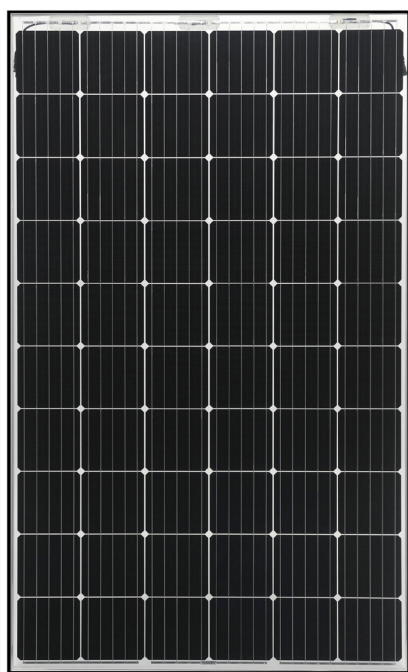


# QUARTZ 300Wp



## Built to last :

- No micro-cracks thanks to solar cells arranged between 2 glass panes
- Glass-Glass modules for no water ingress



## Resistance to extreme conditions :

- Built to resist extreme weather conditions such as salt fog and ammonia gas



## Aesthetic :

- Thanks to exclusive black framing



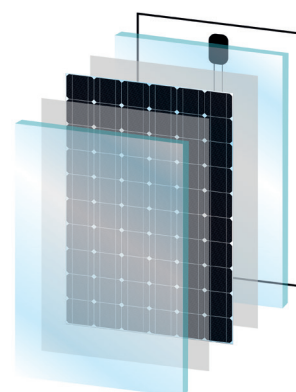
## High power density :

- Better surface return thanks to a cell efficiency of up to 20.5% and a productivity gain of 10% during the cell lifetime



## Dual-glass technology :

- 5mm of glass for better rigidity and strength



MyLight Systems is a French manufacturer of smart solar energy self-consumption solutions.

Solar self-consumption empowers each homeowner to produce and consume their own solar electricity to save on their energy bill.

MyLight Systems offer is today one of the most performing on the market. Smart and open, MyLight Systems has one single objective : to help you gain your energy independence.

## Certifications & Accreditations



# 0/+5Wp

Power tolerance

# 30 years

Product warranty

If subscription to «Click & Connect» offer\*

\*For terms and conditions visit [www.mylight-systems.com](http://www.mylight-systems.com)

# 30 years

Linear Performance warranty

# GENERAL CHARACTERISTICS

## GENERAL CHARACTERISTICS

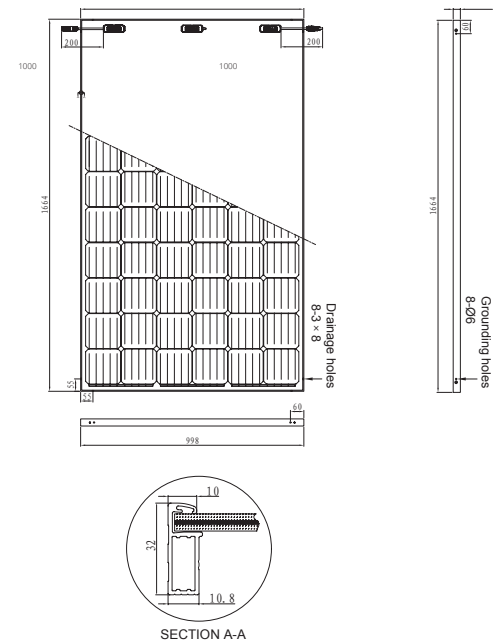
Dimensions (L / W / H)	1664mm/998mm/32mm
Weight	24.5kg

## PACKAGING SPECIFICATIONS

Number of modules per pallet	32
Packaging box dimensions (L / W / H)	1730mm/1160mm/1165mm
Box weight	829kg

## CONSTRUCTION MATERIALS

Front cover (material / thickness)	Low-iron tempered glass / 2.5mmx2
Cell (number / material / dimensions / number of busbars)	60 / monocrystalline silicon / 156.75mm x 156.75mm (+/-0.25) / 4 or 5
Frame (material)	Anodized aluminium alloy
Junction box (protection degree)	≥ IP67
Cable (length / cross-sectional area)	200mm / 4mm <sup>2</sup>
Plug connector (type)	RH 05-8 / IP67 or LSC-R1 / IP68 or LSC-R4 / IP68 - Renhe Solar



# ELECTRICAL PERFORMANCE AND THERMAL CHARACTERISTICS

## ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS\* (STC)

300Wp

Power output tolerances	$\Delta P_{max}$	W	0/+5
Module efficiency	$\eta_m$	%	18.1
Voltage at $P_{max}$	$V_{mpp}$	V	33.2
Current at $P_{max}$	$I_{mpp}$	A	9.04
Open-circuit voltage	$V_{oc}$	V	39.3
Short-circuit current	$I_{sc}$	A	9.50

\*STC : 1000 Wc/m<sup>2</sup> irradiance, 25°C module temperature, AM = 1.5g spectrum according to EN 60904-3.  
Average relative efficiency reduction of 3.0% at 2000W/m<sup>2</sup> according to EN 60904-1.

## ELECTRICAL PARAMETERS AT NOMINAL MODULE OPERATING TEMPERATURE\* (NMOT)

300Wp

Power output	$P_{max}$	W	225.9
Voltage at $P_{max}$	$V_{mpp}$	V	35.6
Current at $P_{max}$	$I_{mpp}$	A	7.32
Open-circuit voltage	$V_{oc}$	V	43.0
Short-circuit current	$I_{sc}$	A	7.75

\*NMOT : temperature near maximum powerpoint at 800 Wc/m<sup>2</sup> irradiance, 20°C ambiente temperature;  
wind speed : 1m/s.

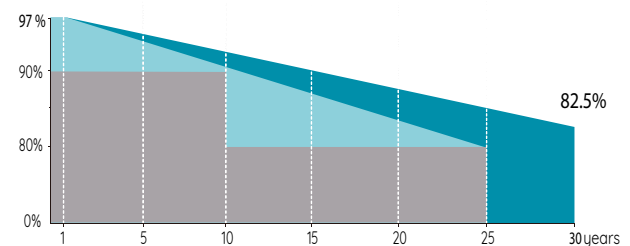
## THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	42.3 +/- 2
Temperature coefficient of $P_{max}$	$\gamma$	%/°C	-0.34
Temperature coefficient of $V_{oc}$	$\beta_{Voc}$	%/°C	-0.27
Temperature coefficient of $I_{sc}$	$\alpha_{Isc}$	%/°C	0.04

## OPERATING CONDITIONS

Max. system voltage	1000V/1500V <sub>DC</sub>
Max. series fuse rating	20A
Operating temperature range	-40°C à 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. wind load (back)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

## LINEAR PERFORMANCE



- Quartz linear performance warranty
- Black Crystal linear performance warranty
- Industry standard warranty

Users : +33 (0)800 710 226  
09:00am-07:00pm

Pros : +33 (0)4 69 84 42 94  
09:00am-12:30am//1:30am-06:00pm

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