mylight SYSTEMS

CRYSTAL 320Wp

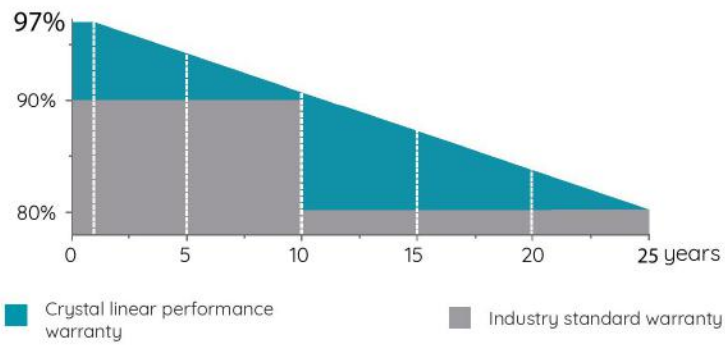
High technology glass :
High transmission coefficient and anti-reflective layer for better solar energy collection

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

PID resistant :
Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (potential induced degradation)

High power density :
High conversion cell efficiency of 19,7% and more power outpout per square meter

LINEAR PERFORMANCE



La FRENCH TECH

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 independance.

Certifications & Accreditations

0/+5Wp
Power tolerance

20 years
Product warranty

25 years
Linear Performance warranty

GENERAL CHARACTERISTICS

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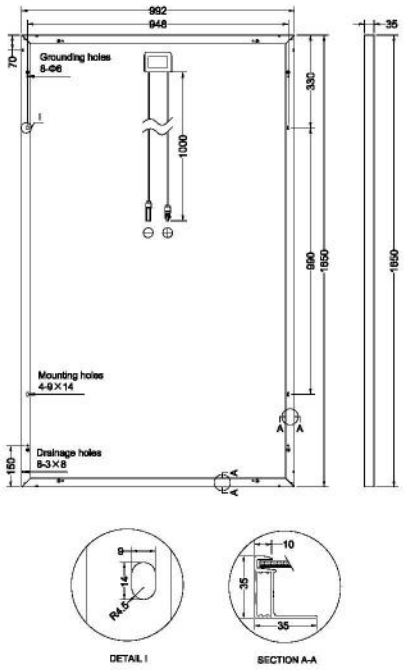
Dimensions (L/W/H)	1650mm/992mm/35mm
Weight	18,5kg

PACKAGING SPECIFICATIONS

Number of modules per pallet	30
Packaging box dimensions (L / W / H)	1700mm/1120mm/1140mm
Box weight	588kg

CONSTRUCTION MATERIALS

Front cover (material / thickness)	3.2mm, Low-iron tempered glass
Cell (number / material / dimensions / number of busbars)	60/monocrystalline silicon / 12 or 5
Frame (material)	Anodized aluminium alloy
Junction box (protection degree)	Protection level higher or equal to IP 67
Cable (length / cross-sectional area)	1000mm/4mm^3
Plug connector (type)	MC4 Compatible with Renhe Solar



ELECTRICAL PERFORMANCE AND THERMAL CHARACTERISTICS

ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS* (STC)

			320 W
Power output tolerances	ΔP_{max}	W	0/+5
Module efficiency	η_m	%	19.5
Voltage at P_{max}	V_{mpp}	V	33.5
Current at P_{max}	I_{mpp}	A	9.58
Open-circuit voltage	V_{oc}	V	39.9
Short-circuit current	I_{sc}	A	10.08

*STC : 1000 Wc/m² irradiance, 25°C cell temperature, AM = 1,5g spectrum according to EN 60904-3. Average relative efficiency reduction of 3.0% at 200W/m² according to EN 60904-1.

ELECTRICAL PARAMETERS AT NOMINAL OPERATING CELL TEMPERATURE* (NOCT)

			320 W
Power output	P_{max}	W	236.0
Voltage at P_{max}	V_{mpp}	V	30.8
Current at P_{max}	I_{mpp}	A	7.66
Open-circuit voltage	V_{oc}	V	37.1
Short-circuit current	I_{sc}	A	8.16

*NOCT : open-circuit module operation temperature at 800 Wc/m² irradiance, 20°C ambiente temperature; 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45+/-2
Temperature coefficient of P_{max}	γ	%/°C	-0.39
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.30
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.06

OPERATING CONDITIONS

Max. system voltage	1000V/1500V$_{DC}$
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

FTE-0025-Datasheet Crystal panel 320Wp-V1 05/2020

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09:00am-06:00pm

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

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