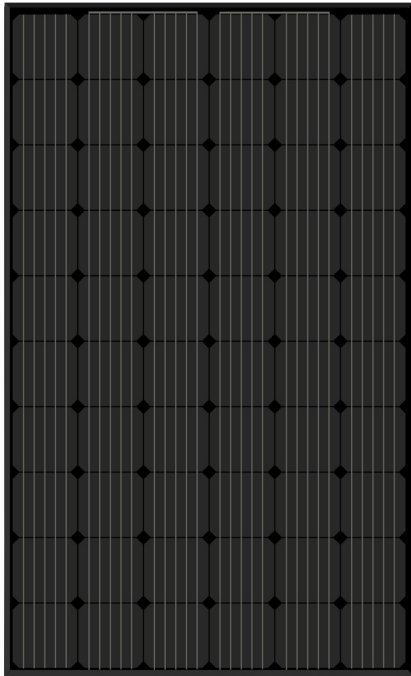


BLACK CRYSTAL 300-310 Wp



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 :

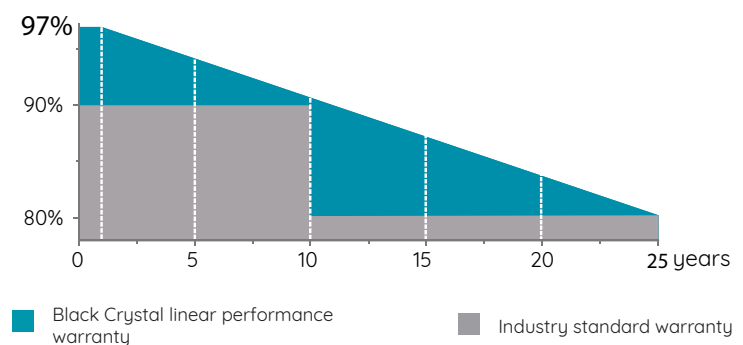
Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (potential induced degradation)



High power density :

High conversion cell efficiency of 19,7% and more power output per square meter

LINEAR PERFORMANCE



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/+5 Wp

Power tolerance

25 years

Product warranty

If subscription to «Click & Connect» offer*

*For terms and conditions visit www.mylight-systems.com

25 years

Linear Performance warranty

GENERAL CHARACTERISTICS

GENERAL CHARACTERISTICS

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/1135mm/1165mm

Box weight 588kg

CONSTRUCTION MATERIALS

Front cover (material / thickness) 3.2mm, Low-iron tempered glass

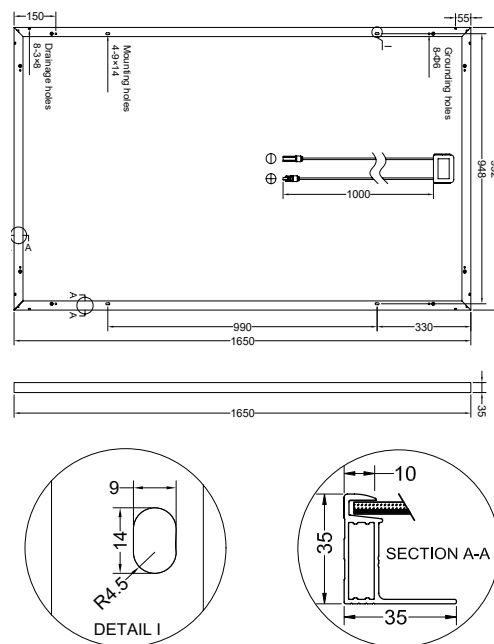
Cell (number / material / dimensions / number of busbars) 60/monocrystalline silicon / 156,75mmx156,75mm (+/-0,25)/4 ou 5

Frame (material) Anodized aluminium alloy

Junction box (protection degree) IP 68

Cable (length / cross-sectional area) 1000mm/4mm²

Plug connector (type) MC4 Compatible Renhe Solar



ELECTRICAL PERFORMANCE AND THERMAL CHARACTERISTICS

ELECTRICAL PARAMETERS AT STANDARD TEST CONDITIONS* (STC)

| | | | 300 Wp | 305 Wp | 310 Wp |
|-------------------------|------------------|---|--------|--------|--------|
| Power output tolerances | ΔP_{max} | W | | 0/+5 | |
| Module efficiency | η_m | % | 18.3 | 18.7 | 19.1 |
| Voltage at P_{max} | V_{mpp} | V | 32.6 | 32.9 | 33.2 |
| Current at P_{max} | I_{mpp} | A | 9.19 | 9.28 | 9.31 |
| Open-circuit voltage | V_{oc} | V | 39.9 | 40.0 | 40.3 |
| Short-circuit current | I_{sc} | A | 9.77 | 9.85 | 9.88 |

*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 2000W/m² according to EN 60904-1.

ELECTRICAL PARAMETERS AT NOMINAL OPERATING CELL TEMPERATURE* (NOCT)

| | | | 300 Wp | 305 Wp | 310 Wp |
|-----------------------|-----------|---|--------|--------|--------|
| Power output | P_{max} | W | 223 | 227 | 230 |
| Voltage at P_{max} | V_{mpp} | V | 30.4 | 30.6 | 30.8 |
| Current at P_{max} | I_{mpp} | A | 7.35 | 7.42 | 7.47 |
| Open-circuit voltage | V_{oc} | V | 37.1 | 37.3 | 37.5 |
| Short-circuit current | I_{sc} | A | 7.78 | 7.84 | 7.89 |

*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 | 44+/-2 |
| Temperature coefficient of P_{max} | γ | %/°C | -0.39 |
| Temperature coefficient of V_{oc} | β_{voc} | %/°C | -0.29 |
| Temperature coefficient of I_{sc} | α_{isc} | %/°C | 0.05 |

OPERATING CONDITIONS

| | |
|---|---------------------------|
| Max. system voltage | 1000V/1500V _{DC} |
| Max. series fuse rating | 15A |
| 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 |



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



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www.pro.mylight-systems.com



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



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