



**MADE IN ITALY**

**X-MAX XL HJT**

Heterojunction High Efficiency solar cells  
Monocrystalline

**390/400<sub>Wp</sub>**  
Power

**HJT**  
Technology Innovation

**Class 1**  
Reaction fire

**21.92%**  
Efficiency

**-0.260%/°C**  
Temperatura coefficiente

**25 years**  
Product warranty

**30 years**  
Linear warranty



X-MAX XL HJT is one of a wide range of SUNERG's product. It is manufactured according to IEC 61215, IEC 61730 and CE standards. The innovative technology MICROWIRE SOLAR CELLS consists of copper wires supported by a polymer foil. The wires are coated with a thin low melting point alloy layer, which melts during the module lamination process and builds

CORRESPOND TO  
IEC 61215 | IEC 61730 | PV CYCLE | CE  
UNI EN ISO 9001:2008  
UNI EN ISO 14001:2004  
UNI EN ISO 45001:2018

| ELECTRICAL DATA (STC)             |       | XMLJ60390I+H<br>(IB+H / IBW+H) | XMLJ60395I+H<br>(IB+H / IBW+H) | XMLJ60400I+H<br>(IBW+H) |
|-----------------------------------|-------|--------------------------------|--------------------------------|-------------------------|
| Open circuit Voltage              | (Voc) | 44.62 V                        | 44.71 V                        | 44.80 V                 |
| Voltage a Pmax.                   | (Vmp) | 38.11 V                        | 38.19 V                        | 38.29 V                 |
| Short-circuit current             | (Isc) | 10.91 A                        | 10.96 A                        | 11.15 A                 |
| Current at Pmax.                  | (Imp) | 10.31 A                        | 10.36 A                        | 10.45 A                 |
| Peak Power (Pmax) Tolerance 0/+5% |       | 390 Wp                         | 395 Wp                         | 400 Wp                  |
| Module Efficiency                 |       | 21.36 %                        | 21.65 %                        | 21.92 %                 |
| Maximum voltage                   |       | 1000 V DC                      | 1000 V DC                      | 1000 V DC               |
| Maximum series fuse rating        |       | 20A                            | 20A                            | 20A                     |
| Operating Temperature             |       | -40°C - +85°C                  | -40°C - +85°C                  | -40°C - +85°C           |

Tolerance electric measurement ±3%

\*STC (Standard test conditions)

Irradiance 1000 w/m<sup>2</sup>, Temperature 25°C, AM = 1.5

### TEMPERATURE COEFFICIENT

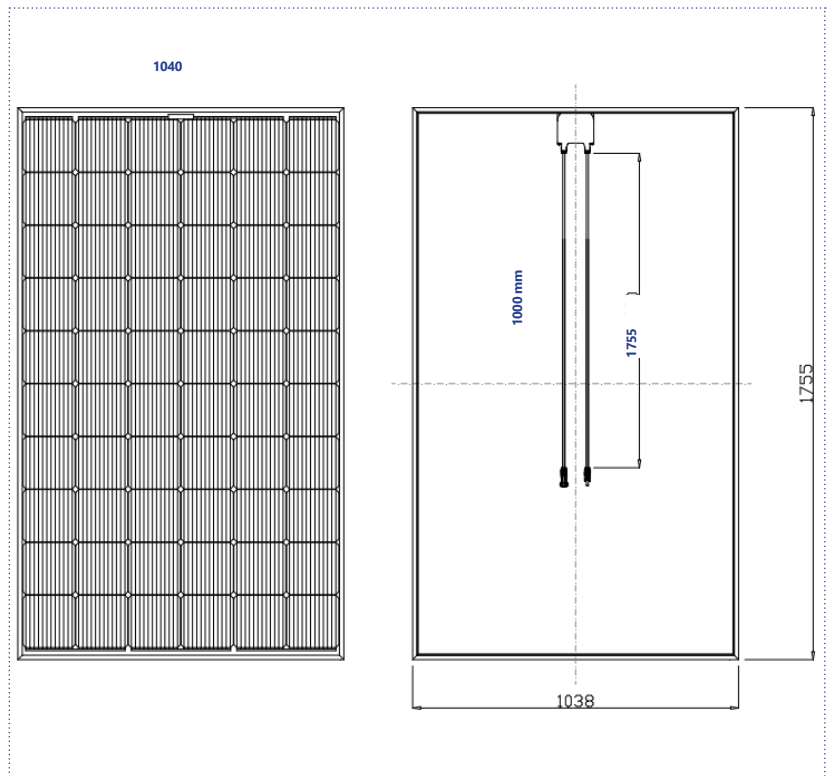
|                              |             |
|------------------------------|-------------|
| Pmax Temperature Coefficient | -0.26% / °C |
| Voc Temperature Coefficient  | -0.24% / °C |
| Isc Temperature Coefficient  | 0.04% / °C  |

### MECHANICAL CHARACTERISTIC

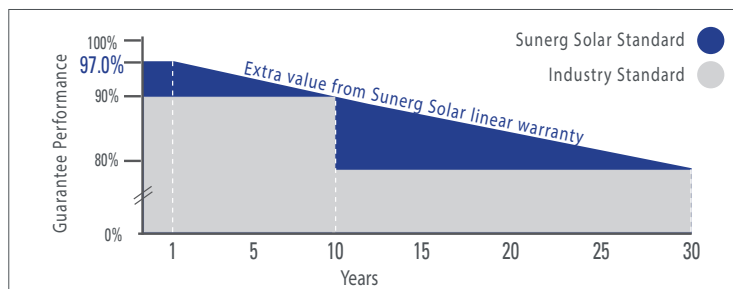
|                  |                  |
|------------------|------------------|
| Dimensions (mm)  | 1755 x 1040 x 35 |
| Weight (Kg)      | 19.70            |
| Solar cells type | HJT Mono 166 mm  |
| No. solar cells  | 60               |

### GENERAL INFORMATION

|                           |   |
|---------------------------|---|
| Glass                     | 3.2 mm antireflex-coated, high transmission, tempered glass |
| Frame                     | Anodized aluminum alloy                                     |
| Junction Box              | IP67  |
| Output Cable - Connectors | 4.0mm <sup>2</sup> , 1000 mm MC4 compatible                 |



### LINEAR WARRANTY



- look warranty terms -