

## Nuovo modulo X-STYLE il migliore di sempre

*New module X-STYLE the best ever*

*Nouveau module X-STYLE le meilleur depuis toujours*

Il modulo X-STYLE fa parte dell'ampia gamma di prodotti a marchio SUNERG ed è realizzato secondo le norme elettriche IEC 61215, IEC 61730 e le direttive europee CE.

X-STYLE is one of a wide range of products made by Sunerg. It is manufactured according to IEC 61215, IEC 61730 standard and CE.

Le module photovoltaïque X-STYLE fait partie d'une vaste gamme de produits Sunerg. Construit selon les normes IEC 61215, IEC 61730, les directives européennes CE.

**10 ANNI** Garanzia sul prodotto\*  
Product warranty\*  
Garantie sur le produit\*

**25 ANNI** Garanzia lineare sulla potenza in uscita\*  
Linear power output warranty\*  
Garantie linéaire de la puissance de sortie\*

### PRODUCT

CARATTERISTICHE | KEY FEATURES  
CARACTÉRISTIQUES



**Classe 1 resistenza al fuoco**  
Fire reaction class 1  
Réaction au feu classe 1



**Movimentazione facile e sicura**  
Easy and safe handling  
Manutention facile et en sûreté



**Protezione dalle intemperie J-Box IP67**  
IP67 J-Box long-term weather endurance  
Protection J-Box IP67



**Tolleranza positiva -0/+5 Wp**  
Plus only tolerance -0/+5 Wp  
Seulement tolérance positive -0/+5 Wp



**Resistenza alla grandine**  
Anti-Hail module surface available  
Resistance Grêle



**Massimo carico neve 5400 Pa**  
Heavy snow load up to 5400 Pa  
Charge maximale 5400 Pa



**Vetro antiriflesso**  
Anti-reflective coating glass  
Verre anti reflects



**Pid free\*\*\***  
Pid free\*\*\*  
Pid free\*\*\*

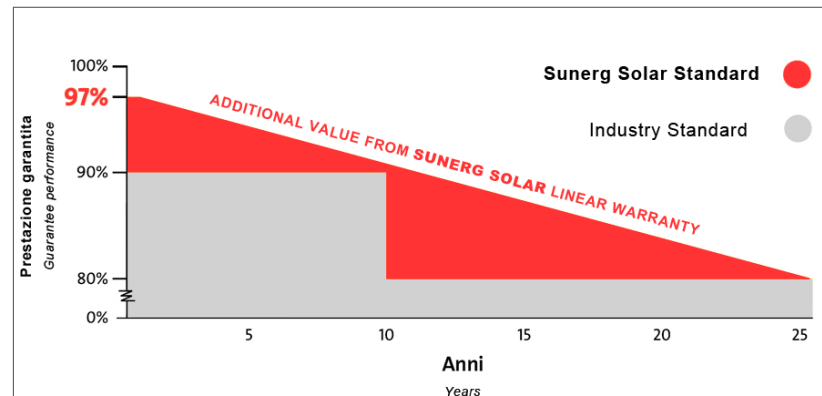


**Resistenza alla nebbia salina, ammoniaca e sabbia soffiata.\*\*\***  
Salt mist, ammonia and blown sand resistance, for seaside, farm and desert environment.\*\*\*

\*\*\*Under approval

### PRODUCT

GARANZIA LINEARE | LINEAR WARRANTY | LINÉAIRE GARANTIE



\*Vedi termini di garanzia - look warranty terms - voir les conditions de garantie

La garanzia lineare si applica ai moduli consegnati dopo il 15 ottobre 2014

Linear warranty applies on modules delivered after October 15<sup>th</sup>, 2014

Garantie linéaire s'applique sur les modules livrés après le 15 octobre 2014

### PRODUCT & MANAGEMENT

CERTIFICAZIONI\*\* | CERTIFICATION\*\* | CERTIFICATION\*\*

IEC 61215-ed2 | EN 61730-1 | EN 61730-2 | UNI 9177 Reaction to Fire: Class 1 | PV CYCLE | Factory Inspection | CE

UNI EN ISO 9001:2008

| Quality management system

UNI EN ISO 14001:2004

| Standards for environmental management system

UNI EN BS OHSAS 18001:2007

| International standards for occupational health and safety



\*\*Contattare il vostro agente per la lista completa dei certificati applicabili ai vostri prodotti

\*\*Please contact your sales representative for the entire list of certificates applicable to your products

\*\*Contactez votre représentant pour la liste complète de certificats applicables aux vos produits

Made in Italy



## DATI ELETTRICI (STC)

ELECTRICAL DATA | CARACTÉRISTIQUES ÉLECTRIQUES

|   |       | XM 60/156-250 I+35<br>(IB+35) | XM 60/156-255 I+35<br>(IB+35) | XM 60/156-260 I+35<br>(IB+35) | XM 60/156-265 I+35<br>(IB+35) | XM 60/156-270 I+35<br>(IB+35) | XM 60/156-275 I+35<br>(IB+35) |
|---|-------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Tensione circuito aperto<br><i>Open-circuit Voltage - Tension circuit ouvert</i>                        | (Voc) | 37.32 V                       | 37.44 V                       | 37.56 V                       | 37.80 V                       | 37.92 V                       | 38.04 V                       |
| Tensione a Pmax<br><i>Voltage at Pmax - Tension de fonct. optimale</i>                                  | (Vmp) | 30.21 V                       | 30.42 V                       | 30.70 V                       | 30.55 V                       | 30.75 V                       | 30.94 V                       |
| Corrente di corto circuito<br><i>Short-circuit current - Intensité de court-circuit</i>                 | (Isc) | 8.80 A                        | 8.85 A                        | 8.90 A                        | 9.00 A                        | 9.05 A                        | 9.10 A                        |
| Corrente a Pmax.<br><i>Current at Pmax - Intensité de fonct. optimale</i>                               | (Imp) | 8.30 A                        | 8.40 A                        | 8.50 A                        | 8.70 A                        | 8.80 A                        | 8.90 A                        |
| Potenza di picco (Pmax) tolleranza -0/+5 Wp*<br><i>Peak Power (Pmax) tolerance -0/+5 Wp*</i>            |       | 250 Wp                        | 255 Wp                        | 260 Wp                        | 265 Wp                        | 270 Wp                        | 275 Wp                        |
| Efficienza modulo<br><i>Module Efficiency - Rendement du module</i>                                     |       | 15.35%                        | 15.65%                        | 15.96%                        | 16.27%                        | 16.57%                        | 16.88%                        |
| Tensione massima di sistema<br><i>Maximum Voltage - Tension maximale du Système</i>                     |       | 1000 V DC                     | 1000 V DC                     | 1000 V DC                     | 1000 V DC                     | 1000 V DC                     | 1000 V DC                     |
| Portata fusibile in serie<br><i>Maximum series Fuse rating - Calibre unitaire des fusibles en série</i> |       | 16A                           | 16A                           | 16A                           | 16A                           | 16 A                          | 16A                           |
| Temperatura d'esercizio<br><i>Operating Temperature - Température de fonctionnement</i>                 |       | -40°C - +85°C                 | -40°C - +85°C                 | -40°C - +85°C                 | -40°C - +85°C                 | -40°C - +85°C                 | -40°C - +85°C                 |

\* STC (Standard test conditions)

Tolerance electric measurement 3%

Irraggiamento 1000 w/m<sup>2</sup>, temperatura modulo 25°C, AM= 1.5  
*Irradiance 1000 w/m<sup>2</sup>, module temperature 25°C, AM= 1.5*  
 Éclairement énergétique 1000 w/m<sup>2</sup>, température du module 25°C, AM= 1.5

## COEFFICIENTE DI TEMPERATURA

TEMPERATURE COEFFICIENT | COEFFICIENT DE TEMPÉRATURE

|  |           |
|--|-----------|
| Temp. d'esercizio cella (NOCT)<br><i>NOCT</i>  | 46±2 °C   |
| Coefficiente temperatura a Pmax<br><i>Pmax Temperature coefficient - Coefficient température de Pmax</i> | -0.48 %/K |
| Coefficiente temperatura di Voc<br><i>Voc Temperature coefficient - Coefficient température de Voc</i>   | -0.36 %/K |
| Coefficiente temperatura di Isc<br><i>Isc Temperature coefficient - Coefficient température de Isc</i>   | +0.02 %/K |

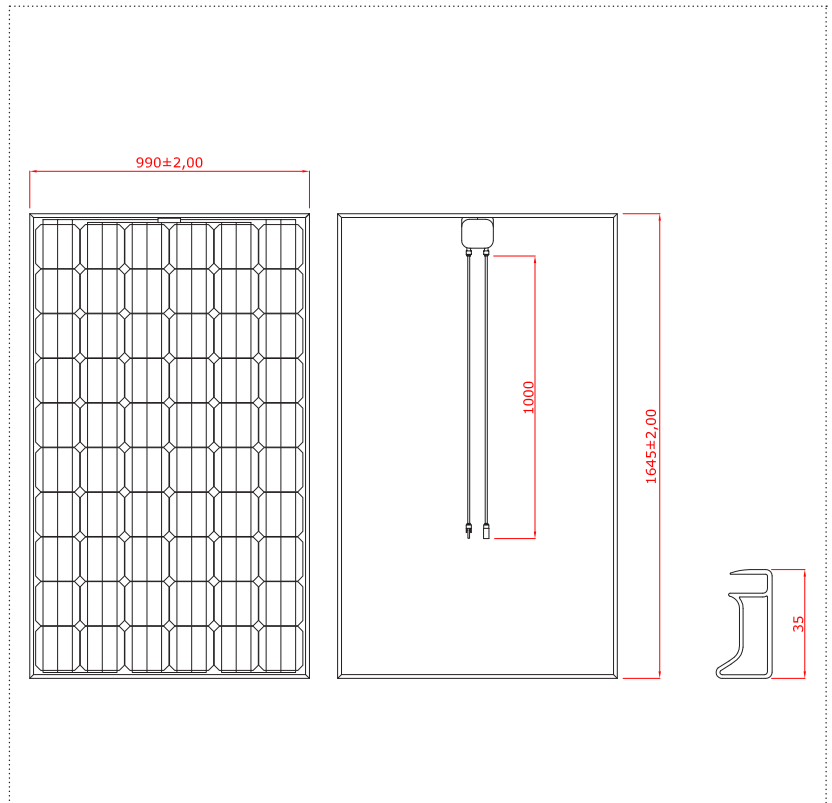
## CARATTERISTICHE MECCANICHE

MECHANICAL CHARACTERISTICS | CARACTÉRISTIQUES MÉCANIQUES

|  |   |
|--|---|
| Resistenza alla grandine<br><i>Hail Test - Grêle Test</i>    | 25 mm - 23 m/s                                |
| Carico massimo<br><i>Maximum Load - Charge maximum</i>       | 5400 Pa                                       |
| Numero celle<br><i>Number of cells - Nombre des cellules</i> | 60 (156 mm x 156 mm)<br>Type: Monocrystalline |
| Peso<br><i>Weight - Poids</i>                                | 17.9 Kg                                       |

## PRODUCT

DISEGNO TECNICO | TECHNICAL DRAWING | DESSIN TECHNIQUE



## DATI GENERALI

GENERAL INFORMATION | INFORMATIONS GÉNÉRALES

\*\* disponibile su richiesta spessore 4 mm - 4 mm thickness available on request - épaisseur 4 mm disponible sur requêtes

|   |  |
|---|--|
| Vetro frontale<br><i>Front glass - Verre face avant</i>           | Temperato con rivestimento antiriflesso, spessore 3.2 mm**<br><i>Tempered AR Coated glass, 3.2 mm thickness** - Verre trempé avec traitement anti-reflet, épaisseur 3.2 mm**</i>   |
| Telaio<br><i>Frame - Châssis</i>                                  | Lega d'alluminio anodizzato (Ral 9005 verniciato nero per la serie IB+35)<br><i>Anodized aluminum alloy (Ral 9005 black coating for IB+35 series) - Alliage d'aluminium anodisé (Ral 9005 enrobé noir pour la série IB+35)</i> |
| Scatola di giunzione<br><i>Junction Box - Boîte de dérivation</i> | IP67, 115 x 110 x 22.5 (mm), 3 diodi bypass<br><i>IP 67 rating, 115 x 110 x 22.5 (mm), 3 bypass diodes - IP 67, 115 x 110 x 22.5 (mm), 3 diodes bypass</i>   |
| Cavi d'uscita<br><i>Output cables - Câbles de sortie</i>          | Cavo E317230-C PV wire 4mm <sup>2</sup> , connettori PV4<br><i>Cable E317230-C PV 4mm<sup>2</sup>, PV4 connectors - Câble E317230-C PV 4mm<sup>2</sup>, connecteurs PV4</i>  |

Sunerg S.r.l. si riserva il diritto di apportare modifiche ai dati tecnici del prodotto senza preavviso.

I dati tecnici del modulo, nonostante siano inseriti con la massima attenzione, possono contenere errori o imprecisioni non imputabili a Sunerg Solar S.r.l.