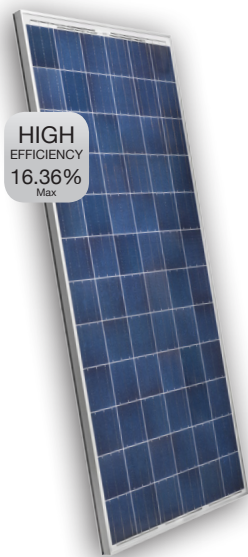


X-STRONG

285 - 320 Wp



HIGH
EFFICIENCY
16.36%
Max

Nuovo modulo X-STRONG il migliore di sempre

New module X-STRONG the best ever

Nouveau module X-STRONG le meilleur depuis toujours

Il modulo X-STRONG 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-STRONG 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-STRONG fait partie d'une vaste gamme de produits Sunerg. Construit selon les normes IEC 61215, IEC 61730, les directives européennes CE.



Garanzia sul prodotto*
Product warranty*
Garantie sur le produit*



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

PRODUCT

CARATTERISTICHE | KEY FEATURES
CARACTÉRISTIQUES



Classe 1 reazione 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***

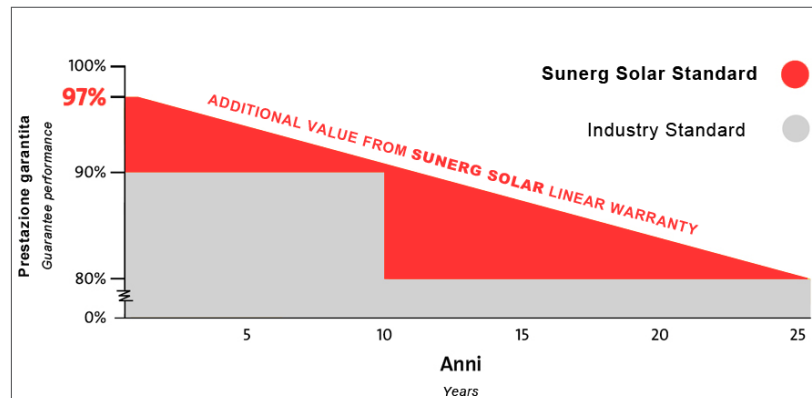


Resistenza alla nebbia salina, ammoniaca e sabbia soffiata.***
Salt mist, ammonia and blown sand resistance, for seaside, farm and desert environment.***

***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 15th, 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

		XP72/156-285+ (IB+)	XP72/156-290+ (IB+)	XP72/156-295+ (IB+)	XP72/156-300+ (IB+)	XP72/156-305+ (IB+)	XP72/156-310+ (IB+)	XP72/156-315+ (IB+)	XP72/156-320+ (IB+)
Tensione circuito aperto <i>Open-circuit Voltage - Tension circuit ouvert</i>	(Voc)	43.92 V	44.42 V	44.49 V	44.64 V	44.92 V	45.14 V	45.43 V	45.57 V
Tensione a Pmax <i>Voltage at Pmax - Tension de fonct. optimale</i>	(Vmp)	36.07 V	36.64 V	36.79 V	37.00 V	37.36 V	37.65 V	38.01 V	38.08 V
Corrente di corto circuito <i>Short-circuit current - Intensité de court-circuit</i>	(Isc)	8.49 A	8.58 A	8.61 A	8.64 A	8.70 A	8.73 A	8.78 A	8.98 A
Corrente a Pmax. <i>Current at Pmax - Intensité de fonct. optimale</i>	(Imp)	7.97 A	8.07 A	8.10 A	8.15 A	8.21 A	8.24 A	8.30 A	8.45 A
Potenza di picco (Pmax) tolleranza -0/+5 Wp* <i>Peak Power (Pmax) tolerance -0/+5 Wp*</i>		285 Wp	290 Wp	295 Wp	300 Wp	305 Wp	310 Wp	315 Wp	320 Wp
Efficienza modulo <i>Module Efficiency - Rendement du module</i>		14.57 %	14.83 %	15.08 %	15.34 %	15.60 %	15.85 %	16.11 %	16.36 %
Tensione massima di sistema <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	1000 V DC	1000 V DC
Portata fusibile in serie <i>Maximum series Fuse rating - Calibre unitaire des fusibles en série</i>		16A	16A	16A	16A	16A	16A	16A	16A
Temperatura d'esercizio <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	-40°C - +85°C	-40°C - +85°C

* STC (Standard test conditions)

Tolerance electric measurement 3%

Irraggiamento 1000 w/m², temperatura modulo 25°C, AM= 1.5
Irradiance 1000 w/m², module temperature 25°C, AM= 1.5
 Éclairement énergétique 1000 w/m², température du module 25°C, AM= 1.5

COEFFICIENTE DI TEMPERATURA

TEMPERATURE COEFFICIENT | COEFFICIENT DE TEMPÉRATURE

Temp. d'esercizio cella (NOCT) <i>NOCT</i>	46±2 °C
Coefficiente temperatura a Pmax <i>Pmax Temperature coefficient - Coefficient température de Pmax</i>	-0.42% / °C
Coefficiente temperatura di Voc <i>Voc Temperature coefficient - Coefficient température de Voc</i>	-0.33% / °C
Coefficiente temperatura di Isc <i>Isc Temperature coefficient - Coefficient température de Isc</i>	0.05% / °C

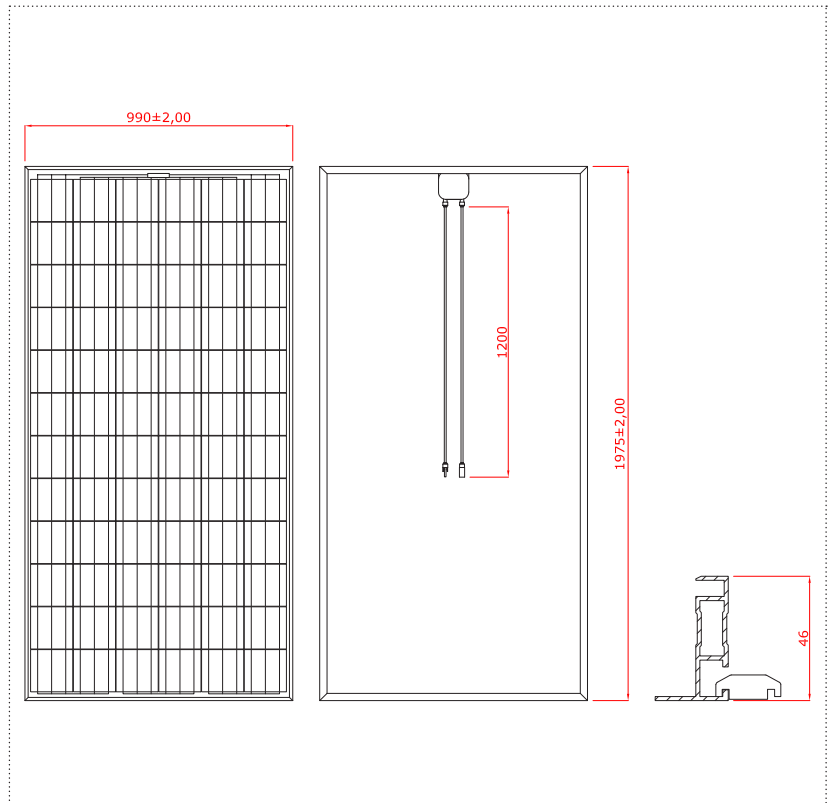
CARATTERISTICHE MECCANICHE

MECHANICAL CHARACTERISTICS | CARACTÉRISTIQUES MÉCANIQUES

Resistenza alla grandine <i>Hail Test - Grêle Test</i>	25 mm - 23 m/s
Carico massimo <i>Maximum Load - Charge maximum</i>	5400 Pa
Numero celle <i>Number of cells - Nombre des cellules</i>	72 (156 mm x 156 mm) Type: Polycrystalline
Peso <i>Weight - Poids</i>	27 Kg

PRODUCT

DISEGNO TECNICO | TECHNICAL DRAWING | DESSIN TECHNIQUE



DATI GENERALI

GENERAL INFORMATION | INFORMATIONS GÉNÉRALES

Vetro frontale <i>Front glass - Verre face avant</i>	Temperato con rivestimento antiriflesso, spessore 4 mm <i>Tempered AR Coated glass, 4 mm thickness - Verre trempé avec traitement anti-reflet, épaisseur 4 mm</i>
Telaio <i>Frame - Châssis</i>	Lega d'alluminio anodizzato (Ral 9005 verniciato nero per la serie IB+) <i>Anodized aluminum alloy (Ral 9005 black coating for IB+ series) - Alliage d'aluminium anodisé (Ral 9005 enrobé noir pour la série IB+)</i>
Scatola di giunzione <i>Junction Box - Boîte de dérivation</i>	IP67, 115 x 110 x 22.5 (mm), 3 diodi bypass <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 <i>Output cables - Câbles de sortie</i>	Cavo E317230-C PV wire 4mm ² , connettori PV4 <i>Cable E317230-C PV wire 4mm², PV4 connectors - Câble E317230-C PV 4mm², 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.