



X-LINE

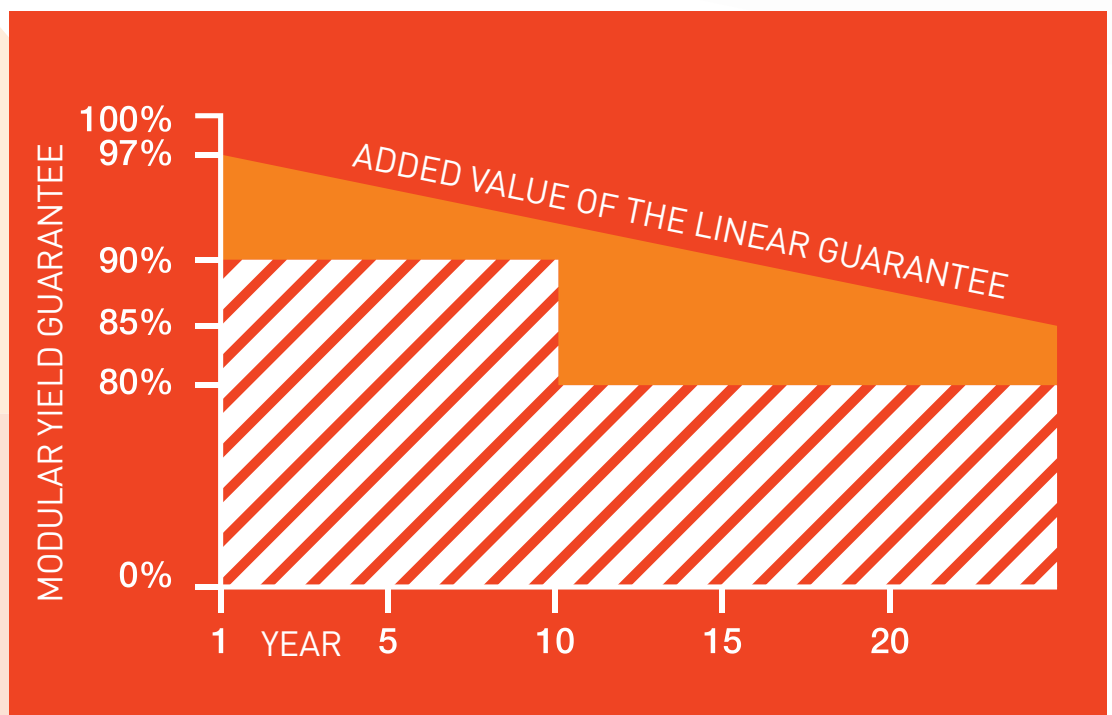
Photovoltaic high-performance modules
monocrystalline and polycrystalline

2018



- 15 years manufacturer's warranty ■
- Fire reaction class 1 ■
- 25 years linear performance guarantee ■

EXE SOLAR Guarantee
25 years linear performance guarantee



An other MADE IN ITALY benefit

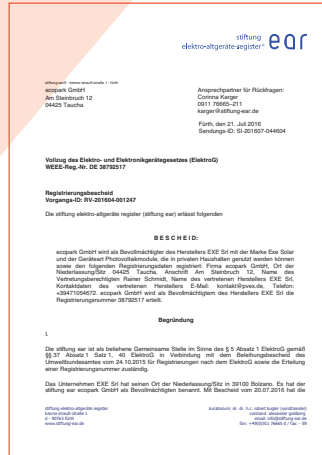
Repaying valence is what EXE Solar offers to its costumers

The solar industry is about to make a global advance concerning renewable energies. A winning trend, which is expanding among the top solutions of sustainable and clean energy production.

EXE Solar evolved making progress by adopting higher quality standards and promoting the development of innovative technologies, including years of technology development in every process of production.

In view of the relevant requirements to which the modules are exposed for at least 25 Years, EXE Solar promises long-term authentic quality, which means certified quality, security and service.

- IEC61215:2005 Design qualification and type approval
- IEC61730-1:2013 Design qualification and type approval
- IEC61215:2005 Mechanical Load Test 8000Pa
- IEC62716:2013 Ammonia corrosion testing
- IEC60068-2-68 Dust and sand
- Fire reaction class 1
- IEC62804:2012 System voltage durability test Potential Induce Degradation PID
- IEC61701:2011 Salt mist corrosion
- ISO9001:2008 Quality management systems
- ISO14001 Environmental management systems
- ISO18001 Occupational Health and Safety Assessment Series





Guaranteed positive output tolerance of 0...+5 Wp by single measuring



Maximum 8000 Pa snow load



3,2 mm anti-reflective glass



Maximum stability through aluminium frame Soft-Grip



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X-LINE MONO 60 ALL BLACK HIGH EFFICIENCY Monocrystalline 60 cells

Type	EXM 290/156-60	EXM 300/156-60
Nominal output P _{mp}	290Wp	300Wp
Nominal voltage U _{mp}	31,58V	32,10V
Nominal current I _{mp}	9,20A	9,41A
Short circuit current I _{sc}	9,66A	9,97A
Open circuit voltage U _{oc}	39,60V	39,80V
Module conversion efficiency	17,60%	18,35%

Electrical characteristics (at Standard Test Conditions (STC) of irradiance 1000W/m², spectrum AM 25°C)

Design

Frontside	3,2 mm anti-reflective glass
Cells	60 monocrystalline high efficiency cells 156x156 mm (6")-5BB
Backside	Composite film
Frame	35 mm black anodized aluminium frame

Power connection

Socket	Protection class IP 67 (3 bypass diodes)
Wire	Approx 110 cm / 4 mm ²
Plug-in system	Plug / Socket IP 67

Mechanical data

LxWxH	1640 x 991 x 35 mm
Weight	19,5 kg with frame

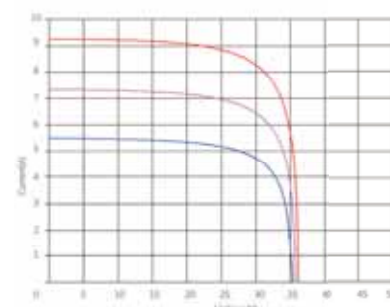
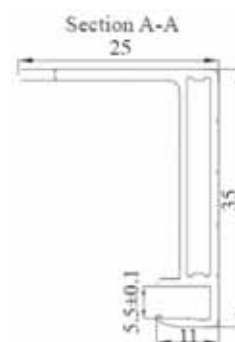
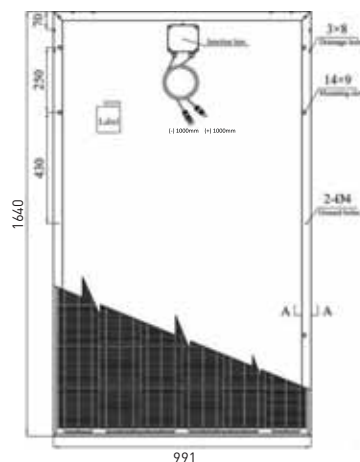
Temperature coefficient

Voltage U _{oc}	-0,30%/K
Current I _{sc}	+0,04%/K
Output P _{mp}	-0,42%/K

Limit values

System voltage	1000 VDC
NOCT*	45°C +/- 2K
Max. load-carrying capacity	5400 N/m ² tested to 8000 Pa
Reverse current feed I _R	16,0 A

*NOCT, irradiance 800 W/m²; AM 1.5; wind speed 1 m/sec; Temperature 20°C



Reference



Reference



Reference

The several test institutes which certify the EXE module's quality:



cobat

VDE

IEC



CE



Distributore:



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Our management system is certified by:



In accordance with the relevant international standards

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