

Luxra PV 60 XP6 250-270 - EU

12-YEAR PRODUCT WARRANTY

MADE IN EUROPE

LUXRA EU-LINE our solutions for professional investors

- NEW: extended 12 years product warranty
- Produced with Meyer Burger technology
- High transmissivity glass
- 100% electroluminescence (EL) tested for micro crack free modules
- Positive performance tolerance
- Friendly environment materials and production process
- PID resistant modules
- Excellent low light and temperature response
- *Power Output guarantee after 10 years 90 %
after 25 years 83 %

LUXRA SOLAR MODULES: LONG OPERATING LIFE – RELIABLE – HIGH PERFORMANCE

Our Luxra Module provides the highest quality standards and outstanding price-performance ratio. Ideal for the professional investor requiring extended warranty and long life performance even under difficult climate conditions.

Product and Quality Highlights

- High-performance solar modules with high efficiency
- High-quality and selected materials
- High wind load and snow load (up to 8000 Pa)
- 12 years product warranty / 25 years power Output warranty
- 100 % electroluminescence (EL) tested for micro crack free modules
- Resistant against salt-mist, corrosion and ammonia (certified)
- High transmission tempered glass, antireflection (AR) coated
- IP 67 junction box, long-term weather endurance

YOUR ADVANTAGES AT A GLANCE

Quality has a name
Luxra = Quality. This is guaranteed by the high-quality components that are used in our modules.

The highest degree of efficiency
Solar modules of the Luxra brand are particularly distinguished by a high degree of efficiency that has yet to be equalled.

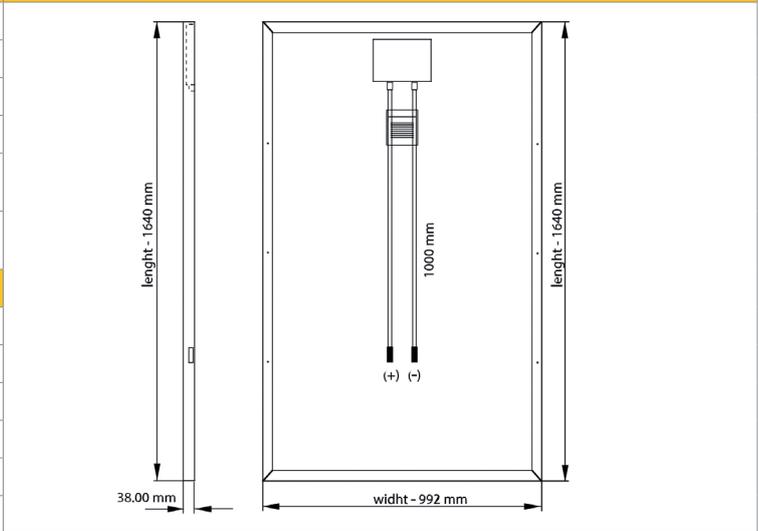
Stable and robust
Stable aluminium frames with hollow chamber profile and tempered front glass – a combination that easily holds up against the forces of snow and wind.



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GENERAL SPECIFICATIONS TECHNICAL DRAWING

Number of cells	60
Module weight	18 kg
Module dimensions	1640 x 992 x 38 mm
Cell type	Polycrystalline silicon
Front cover type	High transmission low iron tempered glass, AR coated
Frame material	Silver anodized aluminium 0,015 mm



TEMPERATURE COEFFICIENTS

Tc of Open Circuit Voltage (β)	-0.34% / °C
Tc of Short Circuit Current (α)	0.05% / °C
Tc of Power (γ)	-0.41% / °C
Maximum System Voltage	1000 V
NOCT	42 °C
Temperature Range	-40 °C to + 85 °C

TEMPERATURE SPECIFICATIONS (STC) Standard Test Conditions, which are defined as following: Radiant power of 1.000 W/m² with a spectral density of AM 1,5 and cell temperature of 25 °C.

Nominal output P _{max}	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp
Nominal voltage V _{mpp}	30.35 V	30.55 V	30.77 V	31.00 V	31.40 V
Nominal current I _{mpp}	8.25 A	8.35 A	8.45 A	8.55 A	8.60 A
Open circuit voltage V _{oc}	38.10 V	38.20 V	38.30 V	38.50 V	38.85 V
Short circuit current I _{sc}	8.75 A	8.85 A	8.97 A	9.10 A	9.15 A
Module efficiency (P _{nom}) %	15.40%	15.74%	16.00%	16.35%	16.60%

CERTIFICATES

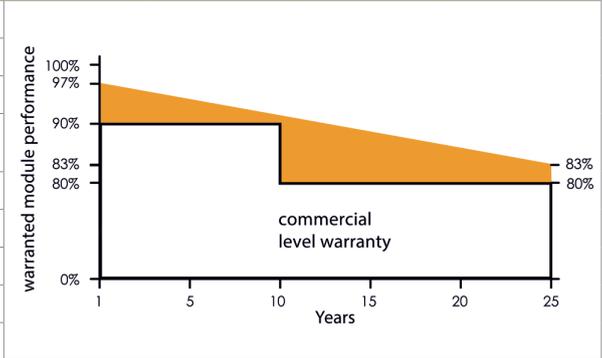
Manufacturers audits and Certificates:

- IEC 61215:2005
- IEC 61730-1:2004 / IEC 61730-2:2004
- Frontal load (snow) 8000 Pa
- Back load (wind) 2.400 Pa
- Fire Resistance Certificate / Class II (under standard UNI 9177)
- ISO 9001 / ISO 14001 / OHSAS 18001

ENVIRONMENTAL SPECIFICATIONS & MECHANICAL DATA

Operating temperature	-40 °C to + 85 °C
Maximum permissible load	8000 Pa
Performance tolerance	0 / +4.99W
Maximum permissible system voltage	DC 1000 V
Reverse current loadability (IR)	15 A
Application class	A (safety class II)
Junction Box	IP67
Cable	1000mm length cables
Plug type	Connector MC4 or compatible

WARRANTY



WARRANTY AND CERTIFICATIONS

Product warranty	12 years limited warranty on product quality
Performance guarantee	12 years on 90% of the rated output, 25 years on 80% of the rated output

IRRADIANCE DEPENDENCE

[W/m ²]	1000	800	600	400
I _{sc}	0%	19.6%	-39.5%	-59.2%
V _{oc}	0%	-1.38%	-3.05%	-5.90%



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* Product warranty and power output guarantee is provided to the original customer according to our Standard Terms and Conditions and technical specification