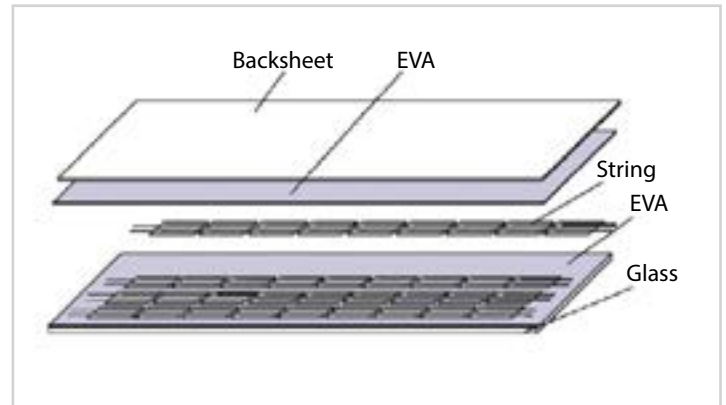


ST-P60250-EU **250W**

60 (6×10) 156×156mm

Polycrystalline PV modules



Power tolerance (0~+5%) to ensure the high reliability of power output



Modules certified by TÜV to with stand high level of wind loads (2400 Pa) and snow loads (5400 Pa)



Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users



Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

12

YEAR

Manufacturing Warranty

10

YEAR WARRANTY

90% Power Output

25

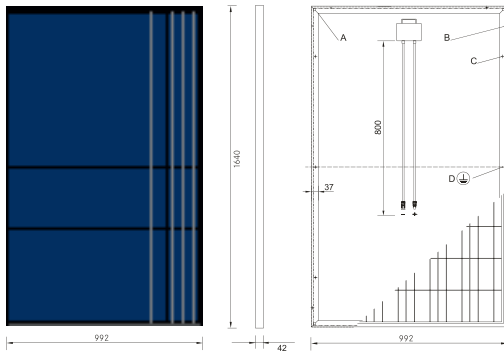
YEAR WARRANTY

80% Power Output

WHY ABI-SOLAR?

- PV modules are designed for maximum efficiency when used in insolation conditions of the Central European region.
- Each PV module by Abi-Solar is tested to verify its characteristics and specifications.
- Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS.
- Manufacturing with international quality standarts and environment management system: ISO9001 and ISO14001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems guaranteed.

MECHANICAL DRAWINGS



A - drainage; B - ventilation; C - mounting holes; D - earthing

MECHANICAL SPECIFICATIONS

Cell type	Poly Crystalline 156×156 mm
Number of cell	60 (6×10)
Dimensions (A×B×C)	1640×992×40 mm
Weight	19 kg
Font Glass	3.2 mm tempered low iron glass
Frame	Anodized aluminum
Junction Box	IP65 with bypass diodes
Connectors	MC4 compatible
Output cables	TUV, length 800mm, 4.0mm ²

ELECTRICAL CHARACTERISTICS

Maximum Power at MPPT (Pmax)	250.1-255.0 W
Shot Circuit Current (Isc)	8,6A
Open Circuit Voltage (Voc)	38.4V
Maximum Power Current (Imp)	8.06A
Maximum Power Voltage (Vmpp)	31.3V
Module Efficiency	15,44%
Power Tolerance	0~+5%

irradiance: 1000 W/m² module temperature: +25 °C AM=1,5

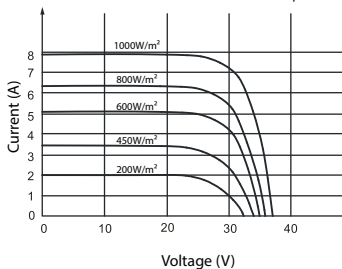
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	48,3 °C
Temperature Coefficient of Pmax	-0.47% °C
Temperature Coefficient of Voc	-0.37% °C
Temperature Coefficient of Isc	0.06% °C

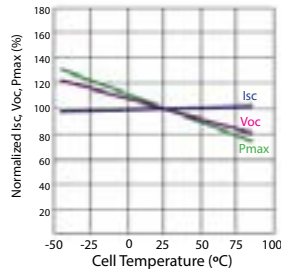
PACKING CONFIGURATION

Container	20'GP	40'GP
Pieces per pallet	25	25
Pallets per container	10	24
Pieces per container	250	600

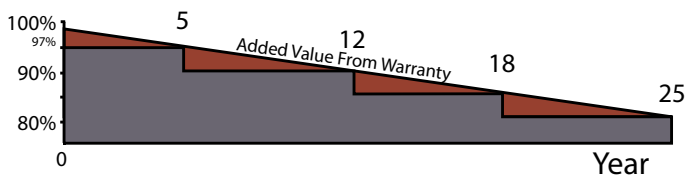
V-I Curves at different irradiances
Cell Temp. 25 °C



Power/Voltage/Current curves at different temperatures



INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (Pnom)

25-year transferrable power output warranty:

5 years/95%, 10 years/90%, 18 years/85%, 25 years/80%

12-year material and workmanship

SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	VDC 1000V
Maximum Series Fuse	15A
Operating Temperature	-40 °C ... +85 °C
Maximum load wind/snow	2400Pa/5400Pa

QUALIFICATIONS AND CERTIFICATES



IEC 61215
IEC 61730



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