

# ZENIT POLYCRYSTALLINE



60  
CELLS

60 Polycrystalline cells

10  
YEARS

Warranty on production defects: 10 years

25  
YEARS

Warranty on power output:  
10 years 90%, 25 years 80%



Panel certifications  
IEC 61215 - EN 61730



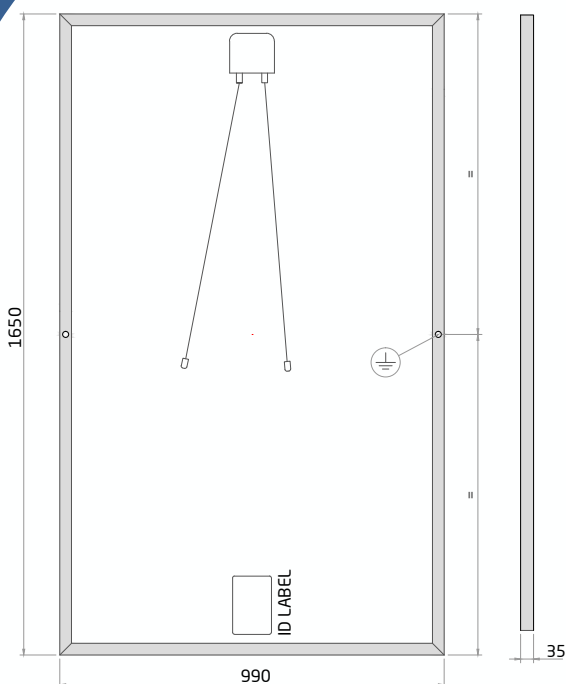
100% Product traceability

**cobat**

Member of the end-of-life panel recycling zero hassle to customers



**Azimut**<sup>®</sup>  
PHOTOVOLTAIC TECHNOLOGIES  
Produzione Moduli Fotovoltaici



### Electrical characteristics under STC (1.5 AM, IRR 1000 w/m<sup>2</sup>; temperature 25±2 °C)

Model		240	245	250
Nominal power P <sub>nom</sub>	W	240	245	250
Classification in Power	%		-/+ 1	
Voltage at Pmax V <sub>mp</sub>	V	30,41	30,72	31,02
Current at Pmax I <sub>mp</sub>	A	7,89	7,97	8,06
Open-circuit voltage V <sub>oc</sub>	V	37,38	37,70	38,01
Short-circuit voltage I <sub>sc</sub>	A	8,40	8,50	8,60
Module efficiency	%	14,69	15,00	15,30

### Electrical characteristics under NOCT conditions (IRR 800 w/m<sup>2</sup>; RT = 20°C; t. Cells = 44°C; wind speed = 1 m/s, 1.5 AM)

Model		240	245	250
Nominal power P <sub>nom</sub>	W	176	179	183
Voltage at Pmax V <sub>mp</sub>	V	27,85	28,13	28,41
Current at Pmax I <sub>mp</sub>	A	6,31	6,37	6,44
Open-circuit voltage V <sub>oc</sub>	V	34,20	34,49	34,78
Short-circuit voltage I <sub>sc</sub>	A	6,71	6,79	6,87

Precision of measurement under STC: MPP ≤ 3%; Voc, Vmp, Isc, Imp ≤ 10%  
Precision of measurement under NOCT conditions: MPP ≤ 5%; Voc, Vmp, Isc, Imp ≤ 10%

Glass	Prismatic tempered glass with high U value. Thickness 3,2 mm.
Cells	60 (6x10) polycrystalline, 156 x 156 mm
Junction box	IP65,3 bypass diodes, 4 mm cables w/length 100 (+) / 100 (-) cm <sup>2</sup>
Connectors	IP68, PV4 single-contact connectors
Dimensions	1650 x 990 mm +/- 1 mm (L=1642 x 982 mm)
Weight	19,5 +/- 1 kg

## Operation Characteristics/Build

Maximum system voltage	V	1000
Maximum series fuse rating I <sub>R</sub>	A	13
Temperature coefficient P <sub>mp</sub> (γ)	%/°C	-0,42
Temperature coefficient V <sub>oc</sub> (β)	%/°C	-0,32
Temperature coefficient I <sub>sc</sub> (α)	%/°C	0,08
NOCT	°C	43 +/-1
Service temperature	°C	from -40°C to +85°C
Safety class		II
Snow load / Max. wind speed	Pa	5400
Resistance to hail impact		Ø 25 mm to 83 km/h
Encapsulating agent	2 sheets of 0.46 mm EVA	
Protective backing	Multilayer polyester lamination, 0.32 mm thick	
Frame	Al 6060 T5, thickness 35 mm	

Data sheet compliant with EN 50380.