



MADE IN ITALY



Polycrystalline Photovoltaic Module

# Back2Power 230 - 250 W

PX54



**Italian production plant**  
assembling with european components



**Ultra-robust module**  
40 mm frame thickness



**Customized production**  
All Black | Translucent | Standard



**Positive tolerance** in our  
modules with **0/+5 wp**



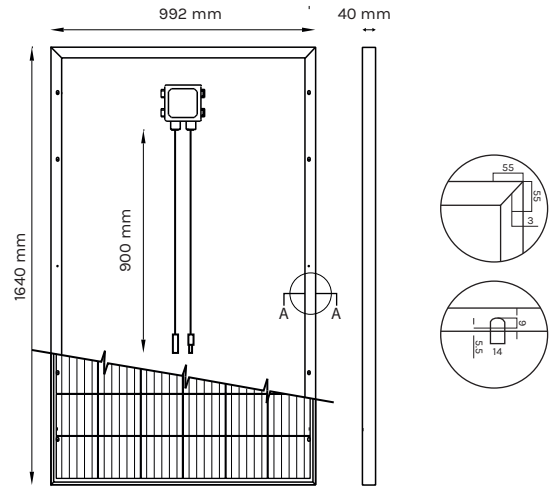
# Polycrystalline Photovoltaic Module

## Back2Power 230 - 250 W PX54



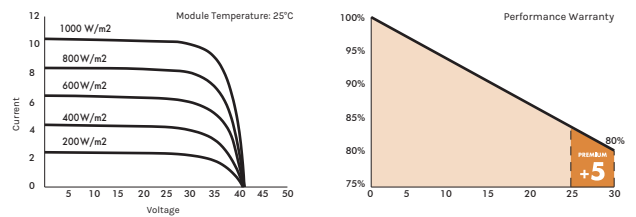
### TECHNICAL FEATURES

<b>Cells:</b>	54 (6x9) Polycrystalline Silicon
<b>Available in:</b>	<b>M2</b>
<b>Frontal Glass:</b>	Glass with low iron content ARC - thickness 3,2 mm Frontal load (snow) 5400 Pa Back load (wind) 2400 Pa
<b>Encapsulant:</b>	EVA (Etilen Vinil Acetato)
<b>Backsheet:</b>	Polymer sheet white
<b>Frame:</b>	Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
<b>Junction Box:</b>	IP67/IP68 - 1500 V with 3 by pass diodes Cables length 900 mm Section: 4,0 mm <sup>2</sup> ± 1% tolerance
<b>Connectors:</b>	MC4 or compatible connector



### WEIGHT, DIMENSIONS AND PACKAGING

18 Kg | 1640 mm x 992 mm x 40 mm | 27 pcs pallet | 864 pcs truck



### ELECTRICAL CHARACTERISTICS\*

	PX54 230W	PX54 235W	PX54 240W	PX54 245W	PX54 250W
<b>Peak power: Pmax (W)</b>	230	235	240	245	250
<b>Classification tolerance:</b>	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
<b>Voltage Pmax: Vmpp (V)</b>	27.78	27.91	28.05	28.18	28.33
<b>Current Pmax: Impp (A)</b>	8.30	8.43	8.57	8.70	8.83
<b>Open circuit voltage: Voc (V)</b>	34.25	34.41	34.55	34.69	34.86
<b>Short-circuit current: Isc (A)</b>	8.76	8.89	9.03	9.17	9.32
<b>Maximum system voltage: (V)</b>	1500	1500	1500	1500	1500
<b>Module efficiency: (%)</b>	14.14	14.44	14.75	15.06	15.37
<b>Maximum fuse rating: (A)</b>	15	15	15	15	15

\*STC values: 1000W/m<sup>2</sup>, AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

### TEMPERATURE CHARACTERISTICS

<b>Temperature Coeff. of Voc:</b>	-0,34 % / °C
<b>Temperature Coeff. of Isc:</b>	+0,04 % / °C
<b>Temperature Coeff. of Pmax:</b>	-0,43 % / °C

### OPERATIVE CHARACTERISTICS

<b>Operating Temperature:</b>	from -40°C to +85°C
<b>Hailstorm Resistance:</b>	Ø 28 mm, 86 Kg/h
<b>NMOT*:</b>	45 ± 2°C

\*Nominal Module Operating Temperature: Irradiance 800W/m<sup>2</sup>, Temperature 20°C, Wind speed 1m/s

### WARRANTIES

**20 YEARS**  
Product Warranty

**25 YEARS**  
Linear Warranty

**PREMIUM**  
**+5**

### SOLARDAY CERTIFICATES

IEC 61215:2016 | EN 61730-1:2016 | EN 61730-2:2016  
UNI 9177 Class 1 Fire Class | FIRE TEST MST23 CLASSE C  
IEC 62716:2013 | IEC 61701:2011  
ECOEM

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
UNI EN ISO 45001:2018  
CE

VKF  
SUNDAHUS  
BRGB  
MCS

Read the instruction manual for this product before proceeding with the installation. In light of continuous technical development, all information in this brochure may be modified by Solarday without notice.

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