

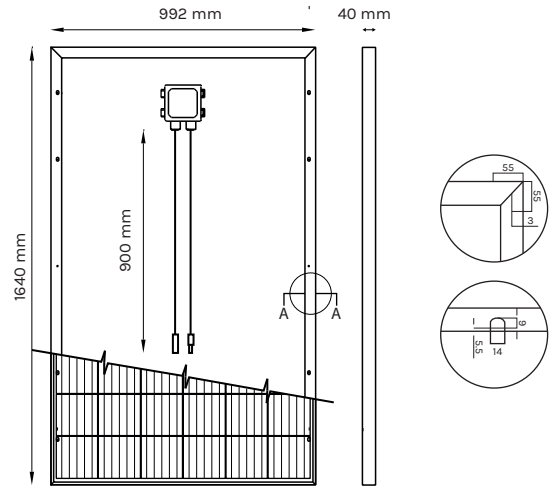
Polycrystalline Photovoltaic Module

Back2Power 230 - 250 W PX54



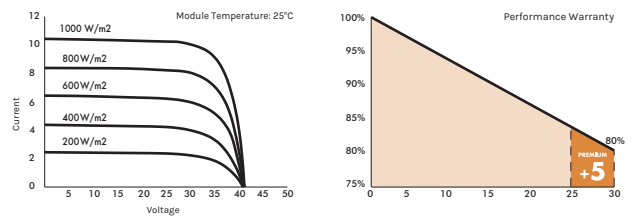
TECHNICAL FEATURES

Cells:	54 (6x9) Polycrystalline Silicon
Available in:	M2
Frontal Glass:	Glass with low iron content ARC - thickness 3,2 mm Frontal load (snow) 5400 Pa Back load (wind) 2400 Pa
Encapsulant:	EVA (Etilen Vinil Acetato)
Backsheet:	Polymer sheet white
Frame:	Silver anodized aluminum 15 micron Grounding holes (For more information please contact our sales team)
Junction Box:	IP67/IP68 - 1500 V with 3 by pass diodes Cables length 900 mm Section: 4,0 mm ² ± 1% tolerance
Connectors:	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
Peak power: Pmax (W)	230	235	240	245	250
Classification tolerance:	0/+5 W	0/+5 W	0/+5 W	0/+5 W	0/+5 W
Voltage Pmax: Vmpp (V)	27.78	27.91	28.05	28.18	28.33
Current Pmax: Impp (A)	8.30	8.43	8.57	8.70	8.83
Open circuit voltage: Voc (V)	34.25	34.41	34.55	34.69	34.86
Short-circuit current: Isc (A)	8.76	8.89	9.03	9.17	9.32
Maximum system voltage: (V)	1500	1500	1500	1500	1500
Module efficiency: (%)	14.14	14.44	14.75	15.06	15.37
Maximum fuse rating: (A)	15	15	15	15	15

*STC values: 1000W/m², AM 1.5, temperature 25°C. Measurement tolerance +/-3% (AAA Solar simulation - IEC 60.904-9).

TEMPERATURE CHARACTERISTICS

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

OPERATIVE CHARACTERISTICS

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

*Nominal Module Operating Temperature: Irradiance 800W/m², 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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