



MODULE MD P 60 PX - POWER FROM 220 UP TO 260 Wp POLYCRYSTALLINE

MADE WITH 60 POLYCRYSTALLINE CELLS AND OTHER COMPONENTS ABLE TO ENSURE LONG LASTING PERFORMANCES.

APPROPRIATE FOR PHOTOVOLTAIC SYSTEMS OF DIFFERENT POWERS.

JUNCTION BOX WITH INTERNAL BYPASS DIODES AND EQUIPPED WITH QUICK AND NON REVERSIBLE CONNECTION CABLES.

SOLID ANODIZED ALUMINIUM FRAME FOR LONG STANDING AGAINST EROSION AND MANUFACTURED WITH FRAME HOLES IN ORDER TO ALLOW EASY INSTALLATION PROCEDURES.

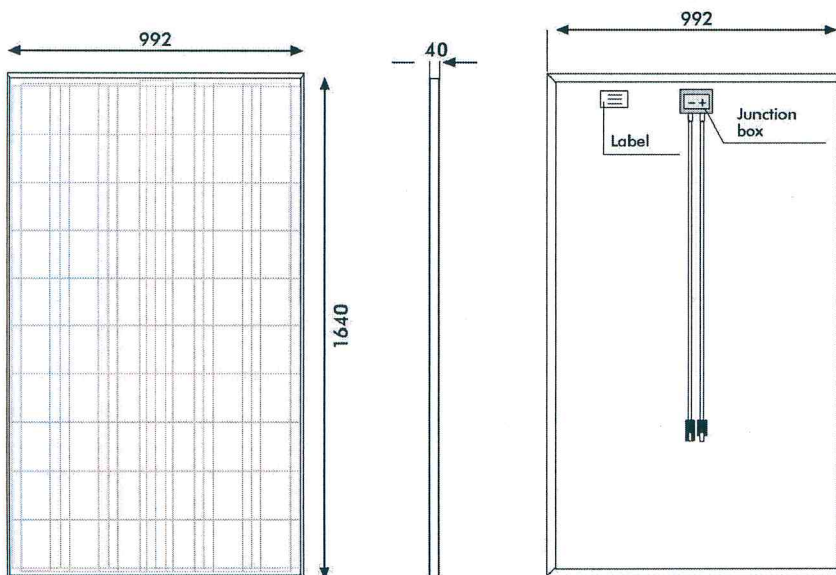
TEMPERED PRISMATIC FRONT GLASS WITH LOW CONTENT OF IRON OXIDES AND HIGH LIGHT TRANSMITTANCE.

10 YEARS PRODUCT WARRANTY; 10 YEARS PERFORMANCE WARRANTY NOT LOWER THAN 90%, 25 YEARS PERFORMANCES WARRANTY NOT LOWER THAN 80%.

CERTIFICATES:
IEC 61215:2005, IEC 61730-1/A2:2013,
IEC 61730-2/A1:2011, IEC Draft 62804:2012,
IEC 62716 ed.1.0, IEC 61701:2011 ed.2, ISO 9001:2008,
ISO 14001:2004, ISO 18001:2007, FACTORY INSPECTION



Design



Info

Specifications at standard test conditions (25°C - 1000 W/m² - AM 1.5)

Electrical performance STC (1000W/m²- 25 °C - A.M. 1,5)

Nominal power - Positive tolerance on all modules (0+5)Wp	Wp	220	225	230	235	240	245	250	255	260
Open circuit voltage Voc	V	36,9	37,10	37,20	37,40	37,60	37,75	37,90	38,05	38,20
Voltage at max power Vmpp	V	30,10	30,20	30,30	30,40	30,50	30,60	30,70	30,80	30,90
Short circuit current Isc	A	8,01	8,07	8,14	8,21	8,28	8,35	8,45	8,54	8,63
Current at maximum power Impp	A	7,32	7,46	7,60	7,75	7,88	8,01	8,15	8,29	8,43
Module total efficiency (calculated over total module area)	%	13,28	13,57	13,86	14,16	14,46	14,75	15,00	15,25	15,48

Temperature Coefficients

Temperature Coefficient of short circuit Isc current (α)	%/K	+0,05
Temperature Coefficient of open circuit Voc voltage (β)	%/K	-0,33
Temperature Coefficient of maximum power Pn (δ)	%/K	-0,46
NOCT	°C	47 ± 2

Design

Cells dimension	mm	156 x 156
Textured front glass, tempered extraclear	mm	3,20
N. of cells (in serial connection)	N.	60
Cell type	Silicon poly-crystalline (m-Si)	
Laminated with	EVA	
Junction box	IP 65, 3 by-pass diodes, 4 mm ² cable length 1000 mm and non reversible connectors	
Backside Layer	High performance waterproof back cover	
Frame	Anodized Aluminum	
Full load resistance	Kg/m ²	550
Hailstone resistance	25 mm diameter at 83 Km/h	
Module Dimension	mm	992 x 1640 x 40
Weight	kg	18,5
Packaging	on pallets	

Warranties and Certificates

Certificates	IEC 61215:2005, IEC 61730-1/A2:2013, IEC 61730-2/A1:2011, IEC Draft 62804:2012, IEC 62716 ed.1.0, IEC 61701:2011 ed.2, ISO 9001:2008, ISO 14001:2004, ISO 18001:2007, FACTORY INSPECTION	
Maximum system voltage	V	1000
Typical working temperature range	°C	from - 40 to + 85
Product warranty	10 years	
Performance warranty	90 % till to 10 years and 80 % till to 25 years	

