

JUST photovoltaic panels

Monocrystalline photovoltaic panel

JST182*182-M-60-MH-450W

maximum module

performance

Power Guarantee

0/+5W

index: PF-J452X6-91

maximum output power

450

20

W



FEATURES



High conversion efficiency. High module efficiency guarantees the output power.



Positive tolerance from 0 to + 5W. Details in the specifications



Self-cleaning glass. Coating glass for self-cleaning, reduces surface dusting.



Excellent performance with low irradiation. Excellent module performance even in poor conditions conditions such as morning or overcast.



Excellent mechanical load resistance. 2400 Pa wind load, 5400 Pa snow load.

WARRANTIES



25-year performance guarantee



10-year guarantee on materials materials and workmanship



IEC 61215 Ed.2 IEC 61730 UL 1703









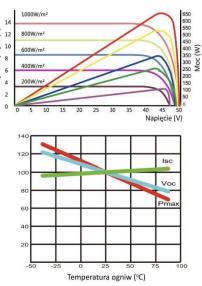
Electrical parameters

lodel/Typ (JST450M/120H)	440	445	450	455	460	
Peak power [W].	440	445	450	455	760	
Module capacity	20,33%	20,56%	20,79%	21,02%	21,25%	
Maximum output voltage [V]	34,20	34,50	34,70	34,90	35,20	
Maximum output current [A]	12,84	12,90	12,96	13,02	13,08	
Open circuit voltage [V]	41,00	41,20	41,40	41,60	41,80	
Short-circuit current [A].	13,58	13,63	13,68	13,73	13,78	
Power tolerance	0 do + 5 W					
Maximum rated system voltage [V].	1500 V					
Module cell operating temperature	41 ± 3 °C					
Maximum value of series protection			25 A			

Mechanical parameters

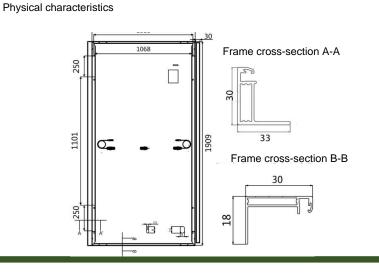
	Monokrystaliczna, 182 mm, 10 BB		
Photovoltaic cell type	182 x 182 120 (6x10 + 6x10)		
Photovoltaic cell dimensions [mm]			
Number of cells in the panel	23.5		
Panel weight [kg]	1909 x 1134 x 30		
Panel dimensions [mm]	5400		
Maximum load [Pascal]			
Connection box tightness	IP68		
Type of connector to be connected	Kompatybilne z MC4		

Electrical characteristics



Temperature characteristics

Temperature coefficient lsc [CT lsc]	0,05 % / °C		
Temperature coefficient Voc [CT Voc].	0,28 % / °C		
Temperature coefficient Pmax [CT Pmax].	0,36 % / °C		



Note: specifications are obtained under Standard Test Conditions (STC); Solar radiation 1000W/m². Air mass 1.5 and cell temperature 25°C. NOCT is obtained within the test conditions: 800 W/ m², ambient temperature 20°C, wind speed 1m/s, AM spectrum 1.5. For technical assistance contact techniczny@elum24.pl. These parameters are for reference only and are subject to change without prior notice.

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