Technical Specifications - Multi Crystalline

60 CELLS MODULES

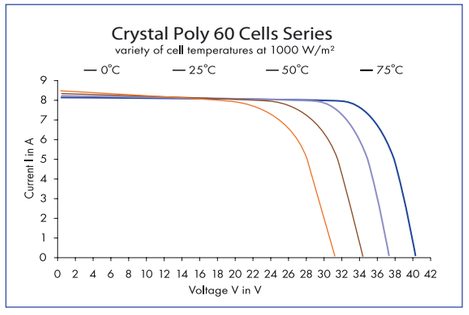
Electrical data at 1000W/m², 25°C and A.M 1.5 (STC in Accordance with IEC 60904-3)				
Rated power at STC [1]	250Wp	255Wp	260Wp	265Wp
Module efficiency at STC[2]	15.40%	15.71%	16.01%	16.32%
Open circuit voltage - Voc (Volts)	37.62	37.82	37.5	37.70
Short circuit current - Isc (Amps)	8.76	8.85	9.12	9.23
Max power voltage - Vpm (Volts)	29.76	29.91	30.4	30.60
Max power current - Ipm (Amps)	8.40	8.53	8.56	8.66
[1] The measurement tolerance of the rated power is ± 3%. The modules delivered are sorted in a range of ± 2.5 Wp. [2] At low irradiance (200 W²/m, 25°C and AM 1.5) the module yields at least 96% of the STC efficiency.				
Electrical data at 800 W/m², NOCT, 1 m/s wind speed and AM 1.5				
Rated power (Pmax)	181.82	185.65	189	192
Open-circuit voltage (Voc)	34.67	34.85	34.5	34.70
Short-circuit current (Isc)	7.09	7.17	7.39	7.48
Rated voltage (Vmpp)	27.07	27.21	27.7	27.90
Rated current (Impp)	6.71	6.82	6.8	6.88
Thermal data				
Temperature coefficient open-circuit voltage	– 0.34 %/K			
Temperature coefficient short-circuit current	+ 0.05 %/K			
Temperature coefficient rated power	– 0.4 %/K			
NOCT (normal operating cell temperature)	46° ± 2°C			
Mechanical data				
Number of cells and cell type	60 Multi crystalline solar cells (156 mm x 156 mm)			
Dimensions: length x width x height	1640 mm x 990 mm x 35mm			
Weight	17.7 kg			
Front glass	3.2 mm high transmission, tempered glass			
Embedding	EVA			
Back sheet	Composite film, white			
Junction box	protection class IP 65/67			
Number of bypass diodes	3			
Cables	4 mm² solar cables, length 1000 mm			
Connectors	MC4 compatible			
Permissible operating conditions				
Operating temperature range	– 40° C to 85° C			
Max. System voltage	1000 V DC			
Max. Reverse current	20 A			
Maximum surface load capacity	5400 Pa			
Resistance against hail	Max Ø 24 mm with impact speed of 83 km/h			
Protection class	II			

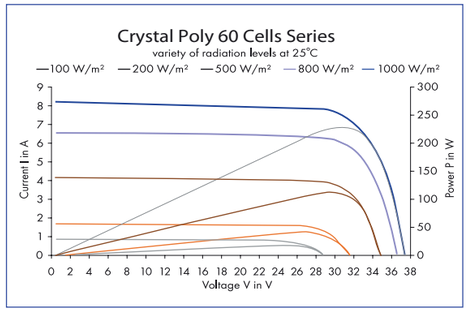
* Refer Emmvee standard warranty terms and conditions.

** On availability of stock

Note 1: The specification - graphical representation made herein may deviate slightly and are not guranteed due to on-going innovation, research and product enhancement. We reserve the right to make any modifications to the information contained herein at any time without notice. Always obtain the most recent revision of datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

Note 2: It is mandatory to make negative grounding of modules in all installation to avoid PID Issue.





72 CELLS MODULES

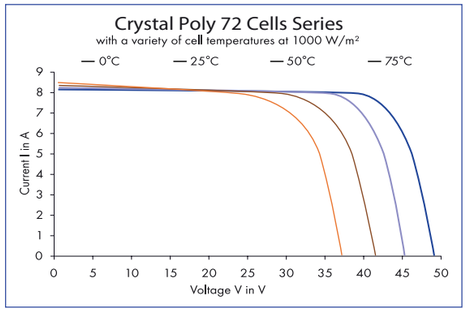
Electrical data at 1000W/m², 25°C and A.M 1.5 (STC in Accordance with IEC 60904-3)					
Rated power at STC[1]	300Wp	305Wp	310Wp	315Wp	320Wp
Module efficiency at STC[2]	15.38%	15.64%	15.89%	16.15%	16.41%
Open circuit voltage - Voc (Volts)	45.35	45.59	44.90	45.10	45.30
Short circuit current - Isc (Amps)	8.93	9.02	9.08	9.18	9.26
Max power voltage - Vpm (Volts)	35.87	36.06	36.40	36.60	36.80
Max power current - Ipm (Amps)	8.36	8.46	8.52	8.61	8.69
[1] The measurement tolerance of the rated power is ± 3%. The modules delivered are sorted in a range of ± 2.5 Wp. [2] At low irradiance (200 W²/m, 25°C and AM 1.5) the module yields at least 96% of the STC efficiency.					
Electrical data at 800 W/m², NOCT, 1 m/s wind speed and AM 1.5					
Rated power (Pmax)	218.19	221.98	225	228	232
Open-circuit voltage (Voc)	41.80	42.01	41.30	41.50	41.60
Short-circuit current (Isc)	7.23	7.31	7.36	7.44	7.50
Rated voltage (Vmpp)	32.63	32.80	33.20	33.40	33.60
Rated current (Impp)	6.68	6.76	6.77	6.84	6.91
Thermal data					
Temperature coefficient open-circuit voltage	– 0.34 %/K				
Temperature coefficient short-circuit current	+ 0.05 %/K				
Temperature coefficient rated power	– 0.4 %/K				
NOCT (normal operating cell temperature)	46° ± 2°C				
Mechanical data					
Number of cells and cell type	72 Multi crystalline solar cells (156 mm x 156 mm)				
Dimensions: length x width x height	1970 mm x 990 mm x 35mm				
Weight	21 kg				
Front glass	3.2 mm high transmission, tempered glass				
Embedding	EVA				
Back sheet	Composite film, white				
Junction box	protection class IP 65/67				
Number of bypass diodes	3				
Cables	4 mm² solar cables, length 1000 mm				
Connectors	MC4 compatible				
Permissible operating conditions					
Operating temperature range	– 40° C to 85° C				
Max. System voltage	1000 V DC				
Max. Reverse current	20 A				
Maximum surface load capacity	5400 Pa				
Resistance against hail	Max Ø 24 mm with impact speed of 83 km/h				
Protection class	II				

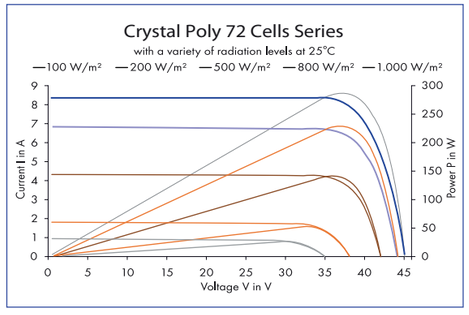
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