Technical Specifications - Multi Crystalline

- 300 - 250

-200 ≩

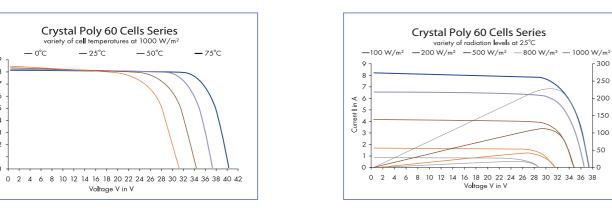
- 150

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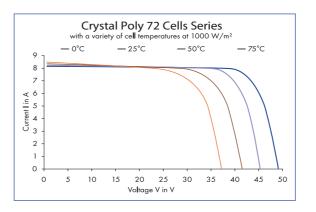
60 CELLS MODULES

Electrical data at 1000W/m ² , 25° C and A.M 1.5 (STC				0 (D) (07014	0.7514					
Rated power at STC ¹	250Wp	255Wp	260Wp	265Wp	270Wp	275Wp					
Module efficiency at STC ²	15.40%	15.71%	16.01%	16.32%	16.63%	16.94%					
Open circuit voltage - Voc (Volts)	37.6	37.8	38.0	38.3	38.60	38.90					
Short circuit current - Isc (Amps)	8.66	8.78	8.92	9.04	9.17	9.29					
Max power voltage - Vpm (Volts)	30.3	30.5	30.6	30.8	30.9	31.1					
Max power current - Ipm (Amps)	8.25	8.37	8.50	8.61	8.74	8.85					
¹ The measurement tolerance of the rated power is ± 3% ² At low irradiance (200 W/m ² , 25°C and AM 1.5) t											
Electrical data at 800 W/m ² , NOCT, 1 m/s wind spee	d and AM 1										
Rated power (Pmax)	186	189	193	197	200	204					
Open-circuit voltage (Voc)	35.3	35.3	35.4	35.5	35.5	35.6					
Short-circuit current (Isc)	7.10	7.17	7.27	7.35	7.41	7.47					
Rated voltage (Vmpp)	28.1	28.2	28.4	28.6	28.7	29.0					
Rated current (Impp)	6.63	6.71	6.81	6.89	6.97	7.03					
Thermal data											
emperature 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 crystalli	ne solar cells	(156.75 mm x 1	56.75 mm)						
Dimensions: length x width x height		164	0 mm x 990 i	mm x 35mm							
Neight			18 kg								
Front glass	3.2 mm high transmission, tempered glass										
Embedding	EAV										
Back sheet		Cor	mposite film, v	white							
unction box	protection class IP 65/67										
Number of bypass diodes	3										
Cables		4 mm ² solar o	cables, length	1200 mm							
Connectors			compatible								
Permissible operating conditions											
Operating temperature range			– 40°C to 85	5ºC							
Max. System voltage		10	000 V DC								
Max. Reverse current		2	20 A								
Net tel s	5400 Pa										
Maximum surface load capacity		5-			Max Ø 24 mm with impact speed of 83 km/h						
Maximum surface load capacity Resistance against hail	٨		n with impact	speed of 83 km	ı/h						



72 CELLS MODULES

Electrical data at 1000W/m ² ; 25°C and A./										
Rated power at STC ¹	310Wp	315Wp	320Wp	325Wp	330Wp	335Wp				
Module efficiency at STC ²	15.89%	16.15%	16.41%	16.66%	16.92%	17.18%				
Open circuit voltage - Voc (Volts)	45.2	45.4	45.7	45.8	45.9	46.0				
Short circuit current - Isc (Amps)	8.95	9.01	9.06	9.11	9.20	9.31				
Max power voltage - Vpm (Volts)	36.4	36.7	37.1	37.4	37.7	37.8				
Max power current - Ipm (Amps)	8.53	8.58	8.63	8.68	8.76	8.86				
¹ The measurement tolerance of the rated por ² At low irradiance (200 W/m ² , 25 ^o C and										
Electrical data at 800 W/m ² , NOCT, 1 m/s	s wind speed	d and AM 1.5								
Rated power (Pmax)	230	234	238	242	246	249				
Open-circuit voltage (Voc)	42.2	42.3	42.5	42.6	42.7	42.9				
Short-circuit current (Isc)	7.15	7.27	7.35	7.47	7.57	7.58				
Rated voltage (Vmpp)	34.3	34.3	34.4	34.5	34.6	34.9				
Rated current (Impp)	6.72	6.83	6.91	7.02	7.11	7.14				
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									
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	22 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°	С						
Max. System voltage	1000 V DC									
Max. Reverse current	20 A									
Maximum surface load capacity	5400 Pg									
Resistance against hail	Max Ø 24 mm with impact speed of 83 km/h									
Protection class										



Emmvee Photovoltaic Power Private Limted

Crystal Poly 60 Cells Series

variety of cell temperatures at 1000 W/

Voltage V in V

— 50°C

— 25°C

— 0°C

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* 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

