Technical Specifications - Mono Crystalline



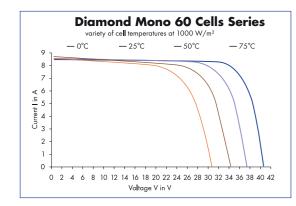
60 CELLS MODULES

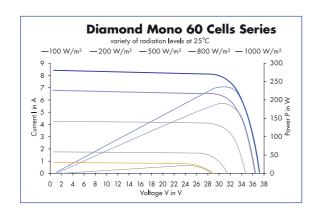
Electrical data at 1000W/m ² , 25° Rated power at STC ¹	260Wp	265Wp	270Wp	275Wp	280Wp		
Module efficiency at STC ²	· ·		16.63%	16.94%			
	16.01%	16.32%	38.20	38.30	17.25% 38.50		
Open circuit voltage - Voc (Volts)	36.93	36.98	9.19	9.31			
Short circuit current - Isc (Amps)	8.87	8.90			9.43		
Max power voltage - Vpm (Volts)	30.86	31.37 8.46	31.10 8.67	31.30 8.80	31.50		
Max power current - Ipm (Amps) ¹ The measurement tolerance of the rated power ² At low irradiance (200 W ² /m, 25°C and a		e modules del	ivered are sort	ed in a range o			
Electrical data at 800 W/m ² , NOCT, 1 m/s v	wind speed o	ınd AM 1.5					
Rated power (Pmax)	190.23	194.12	195	199	202		
Open-circuit voltage (Voc)	33.61	34.30	35.00	35.10	35.3		
Short-circuit current (Isc)	7.24	7.25	7.44	7.54	7.63		
Rated voltage (Vmpp)	27.72	27.81	28.4	28.5	28.7		
Rated current (Impp)	6.86	6.98	6.87	6.95	7.04		
Temperature coefficient open-circuit voltage	– 0.33 %/K						
Temperature coefficient short-circuit current	+ 0.04 %/K						
Temperature coefficient rated power	- 0.43%/K						
NOCT (normal operating cell temperature)	48° ± 2° C						
Mechanical data							
Number of cells and cell type	60 Mono 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						
lunction 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	٨	Max Ø 24 mm with impact speed of 83 km/h					
Protection class		ll l					

 $^{^{\}ast}$ Refer Emmvee standard warranty terms and conditions.

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.





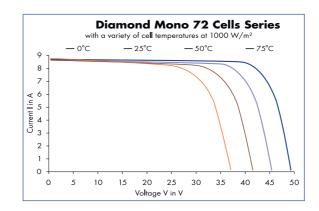
72 CELLS MODULES

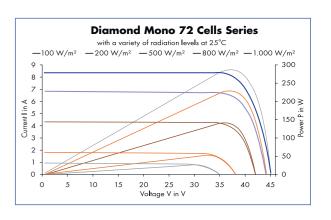
Electrical data at 1000W/m ² , 25°C and A.	M 1.5 (STC ir	Accordance	with IEC 6090	4-3)				
Rated power at STC ¹	310Wp	315Wp	320Wp	325Wp	330Wp			
Module efficiency at STC ²	15.89%	16.15%	16.41%	16.66%	16.92%			
Open circuit voltage - Voc (Volts)	44.98	45.08	45.18	46.00	46.20			
Short circuit current - Isc (Amps)	8.74	8.85	8.96	9.17	9.27			
Max power voltage - Vpm (Volts)	36.69	36.80	36.91	37.60	37.80			
Max power current - Ipm (Amps)	8.45	8.57	8.68	8.65	8.73			
¹ The measurement tolerance of the rated po ² At low irradiance (200 W ² /m, 25°C and	wer is ± 3%. 1 d AM 1.5) the	The modules de e module yield	livered are sorte s at least 96%	ed in a range of the STC ef	of ± 2.5 Wp. ficiency.			
Electrical data at 800 W/m ² , NOCT, 1 m/	s wind speed	and AM 1.5						
Rated power (Pmax)	226.93	230.59	234.25	242	246			
Open-circuit voltage (Voc)	41.23	41.32	41.41	42.8	43.00			
Short-circuit current (Isc)	7.13	7.22	7.31	7.41	7.49			
Rated voltage (Vmpp)	32.80	32.90	33.00	34.8	34.9			
Rated current (Impp)	6.92	7.01	<i>7</i> .11	6.97	7.04			
Thermal data								
Temperature coefficient open-circuit voltage	– 0.33 %/K							
Temperature coefficient short-circuit current	+ 0.04 %/K							
Temperature coefficient rated power	- 0.43%/K							
NOCT (normal operating cell temperature)	48° ± 2° C							
Number of cells and cell type	72 Mono 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	ll l							

* Refer Emmvee standard warranty terms and conditions. ** On availability of stock

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





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^{**} On availability of stock