

MONO-CRYSTALLINE INNOVAEDGE



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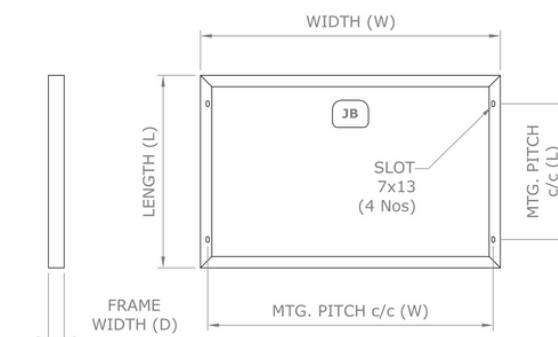
Models from INV-M-12-40Wp to INV-M-12-70Wp-L

Electrical Characteristics	INV-M-12-40Wp	INV-M-12-50Wp	INV-M-12-50Wp-L	INV-M-12-60Wp	INV-M-12-70Wp-L
Peak Power, Pmax (Wp)	40	50	50	60	70
Open Circuit Voltage, Voc (V)	24.40	24.40	24.40	24.40	24.40
Short Circuit Current, Isc (A)	2.10	2.58	2.58	3.39	3.33
Voltage at maximum power, Vmp (V)	20.15	20.89	20.89	20.89	20.52
Current at maximum power, Imp (A)	1.90	2.35	2.35	3.10	3.15
Maximum System Voltage (Vdc)	----- 600V/1000V -----				
Maximum Efficiency (%)	17.01	17.69	18.46	16.40	18.69

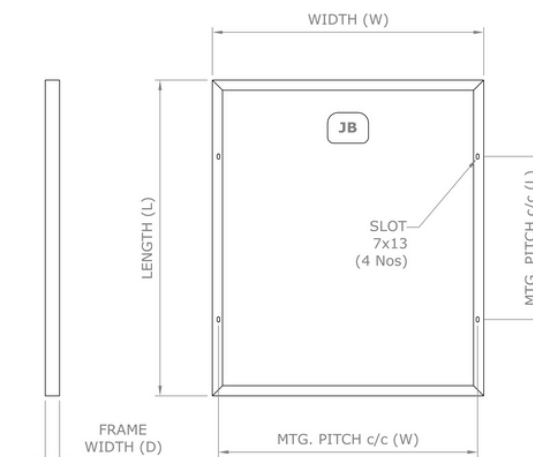
STC: 1000 W/ M2 IRRADIANCE, 25°C CELL TEMPERATURE, AM 1.5G SPECTRUM

Mechanical Characteristics	INV-M-12-40Wp	INV-M-12-50Wp	INV-M-12-50Wp-L	INV-M-12-60Wp	INV-M-12-70Wp-L
L x W x D - (mm)	655 x 359 x 30	425 x 665 x 30	785 x 345 x 30	550 x 665 x 30	1070 x 350 x 30
Mounting Hole Pitch (L) - (mm)	300	300	300	400	600
Mounting Hole Pitch (W) - (mm)	327	633	312	633	317
Weight - (Kg)	2.6	3.35	3.2	4.0	4.35
Cells Per Module	----- 36 -----				
Cell Type	----- Mono-Crystalline -----				
Front Cover (Material/ Thickness)	----- Tempered & Low Iron Glass, 3.2 mm -----				
Encapsulant	----- Ethylene Vinyl Acetate -----				
Frame	----- Anodized Aluminium Alloy -----				
Junction Box	IP 67	IP 67/Weatherproof PPO	IP 67	----- IP 67/Weatherproof PPO -----	
Number of Bypass Diodes	0	2	0	2	2
Connectors	----- Optional -----				
Cable (m)	----- Optional -----				

Mounting Details - Regular



Mounting Details - Length



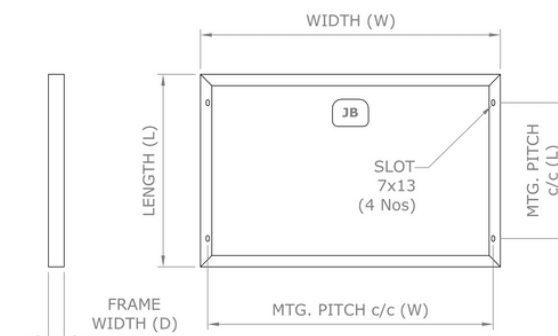
Models from INV-M-12-70Wp to INV-M-12-200Wp

Electrical Characteristics	INV-M-12-80Wp	INV-M-12-100Wp	INV-M-12-125Wp	INV-M-12-150Wp	INV-M-12-200Wp
Peak Power, Pmax (Wp)	80	100	125	150	200
Open Circuit Voltage, Voc (V)	24.40	24.40	24.40	24.40	24.40
Short Circuit Current, Isc (A)	4.35	5.00	6.40	8.19	10.01
Voltage at maximum power, Vmp (V)	20.60	20.80	19.20	20.20	20.80
Current at maximum power, Imp (A)	4.00	4.80	6.10	7.50	9.60
Maximum System Voltage (Vdc)	----- 600V/1000V -----				
Maximum Efficiency (%)	18.09	19.40	18.61	17.90	19.68

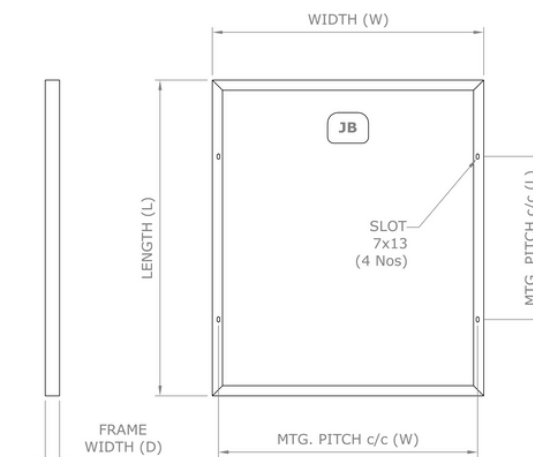
STC: 1000 W/ M2 IRRADIANCE, 25°C CELL TEMPERATURE, AM 1.5G SPECTRUM

Mechanical Characteristics	INV-M-12-80Wp	INV-M-12-100Wp	INV-M-12-125Wp	INV-M-12-150Wp	INV-M-12-200Wp
L x W x D - (mm)	665 x 665 x 30	775 x 665 x 30	1010 x 665 x 30	1255 x 665 x 30	1505 x 675 x 30
Mounting Hole Pitch (L) - (mm)	400	400	600	600	750
Mounting Hole Pitch (W) - (mm)	633	633	633	633	643
Weight - (Kg)	4.5	5.4	7.0	8.8	10.5
Cells Per Module	36	36	36	36	72
Cell Type	----- Mono-Crystalline -----				
Front Cover (Material/ Thickness)	----- Tempered & Low Iron Glass, 3.2 mm -----				
Encapsulant	----- Ethylene Vinyl Acetate -----				
Frame	----- Anodized Aluminium Alloy -----				
Junction Box	----- IP 67/Weatherproof PPO -----		----- IP 65/Weatherproof PPO -----		
Number of Bypass Diodes	2	2	2	2	2
Connectors	----- Optional -----		----- MC4 -----		MC4
Cable (m)	----- Optional -----		----- 0.5 -----		0.5

Mounting Details - Regular



Mounting Details - Length



Other characteristics:

Temperature Co-efficients:

Current [α] (A)	:	0.042 %/°C
Voltage [β] (V)	:	-0.35 %/ °C
Power [γ] (W)	:	-0.36 %/°C
NOCT	:	45°C $\pm$ 2°C
Temperature Range	:	-40°C to + 85°C
Maximum Power Tolerance	:	$\pm$ 2%

Warranty:

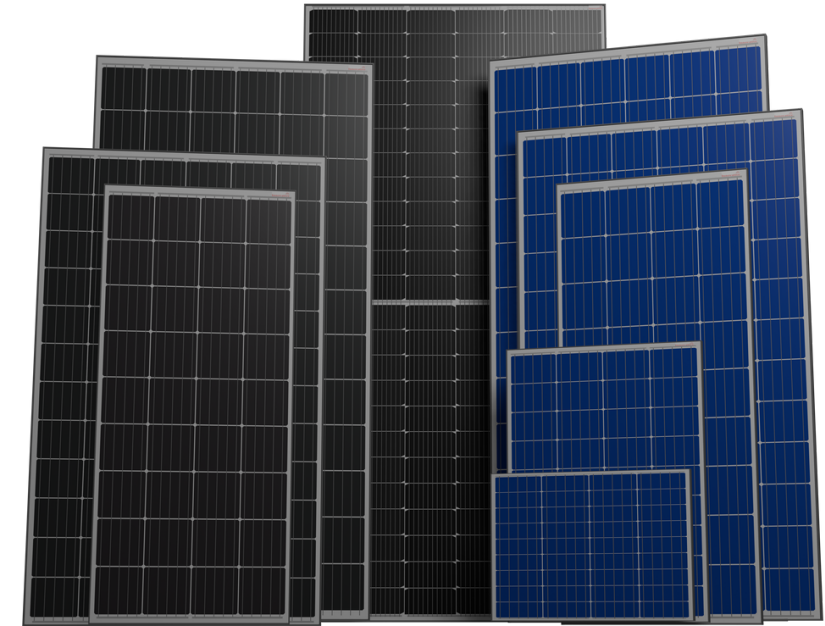
Product: 10 Years.

Performance: 25 Years (10% of power output for first 10 years and 80% of the power output at the end of 25th year.)

Other points to note:

*As we continuously innovate, research, and improve our products, the specifications in this product information sheet may change without prior notice. Please follow the installation instructions. For more details on approved installation, refer to the installation manual or contact the technical service department.

*Please note that the images in this brochure are for illustrative purposes only. The actual product may differ in appearance.



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