

POLY-CRYSTALLINE INNOVALITE



HIGH
PERFORMANCE



SUPERIOR
LOW LIGHT
CAPABILITY



MICRO-CRACK
FREE



PREMIUM
QUALITY



OUTSTANDING
DURABILITY

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MSME
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES



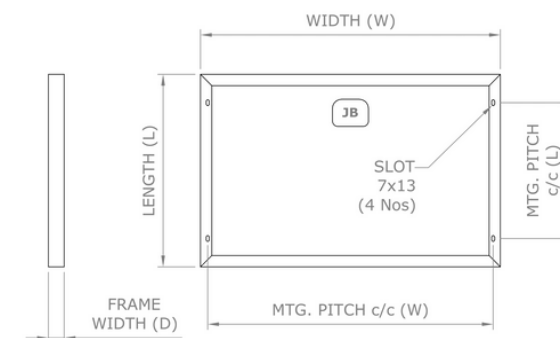
Models from INV-P-12-10Wp to INV-P-12-40Wp-L

Electrical Characteristics	INV-P-12-10Wp	INV-P-12-20Wp	INV-P-12-30Wp	INV-P-12-40Wp	INV-P-12-40Wp-L
Peak Power, Pmax (Wp)	10	20	30	40	40
Open Circuit Voltage, Voc (V)	22.00	22.40	22.40	22.40	22.40
Short Circuit Current, Isc (A)	0.60	1.16	1.74	2.32	2.32
Voltage at maximum power, Vmp (V)	18.00	18.36	18.36	18.36	18.36
Current at maximum power, Imp (A)	0.56	1.09	1.64	2.18	2.18
Maximum System Voltage (Vdc)	----- 600V/1000V -----				
Maximum Efficiency (%)	11.26	10.60	12.56	14.15	14.76

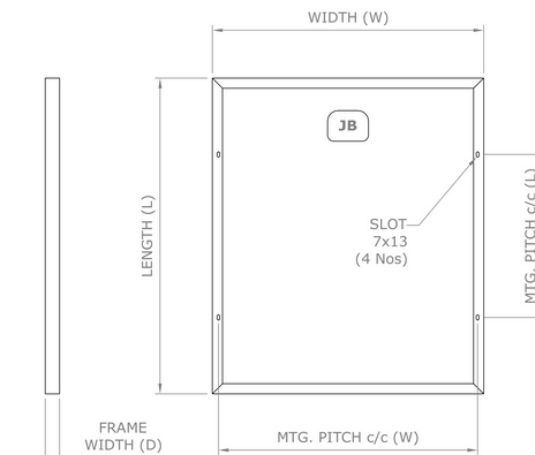
STC: 1000 W/ M2 IRRADIANCE, 25°C CELL TEMPERATURE, AM 1.5G SPECTRUM

Mechanical Characteristics	INV-P-12-10Wp	INV-P-12-20Wp	INV-P-12-30Wp	INV-P-12-40Wp	INV-P-12-40Wp-L
L x W x D - (mm)	250 x 355 x 17	545 x 345 x 30	655 x 359 x 30	425 x 665 x 30	785 x 345 x 30
Mounting Hole Pitch (L) - (mm)	226	300	300	300	300
Mounting Hole Pitch (W) - (mm)	160	312	327	633	312
Weight - (Kg)	1.00	2.25	2.60	3.35	3.15
Cells Per Module	----- 36 -----				
Cell Type	----- Poly-Crystalline -----				
Front Cover (Material/ Thickness)	----- Tempered & Low Iron Glass, 3.2 mm -----				
Encapsulant	----- Ethylene Vinyl Acetate -----				
Frame	----- Anodized Aluminium Alloy -----				
Junction Box	----- IP 67 rated -----				
Number of Bypass Diodes	0	0	0	2	0
Connectors	----- Optional -----				
Cable (m)	----- Optional -----				

Mounting Details - Regular



Mounting Details - Length



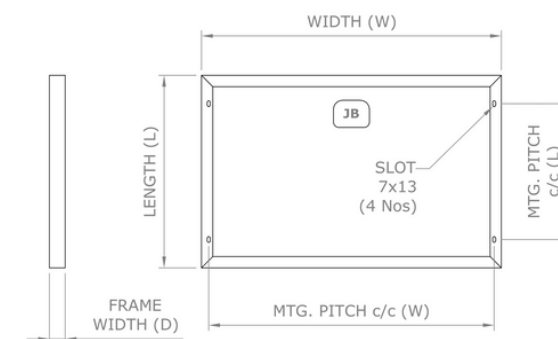
Models from INV-P-12-50Wp to INV-P-12-100Wp

Electrical Characteristics	INV-P-12-50Wp	INV-P-12-60Wp	INV-P-12-60Wp-L	INV-P-12-80Wp	INV-P-12-100Wp
Peak Power, Pmax (Wp)	50	60	60	80	100
Open Circuit Voltage, Voc (V)	22.40	22.40	22.40	22.40	22.71
Short Circuit Current, Isc (A)	2.89	3.47	3.47	4.63	5.71
Voltage at maximum power, Vmp (V)	18.36	18.36	18.36	18.36	18.61
Current at maximum power, Imp (A)	2.73	3.27	3.27	4.36	5.38
Maximum System Voltage (Vdc)	----- 600V/1000V -----				
Maximum Efficiency (%)	13.67	13.56	16.02	15.52	14.88

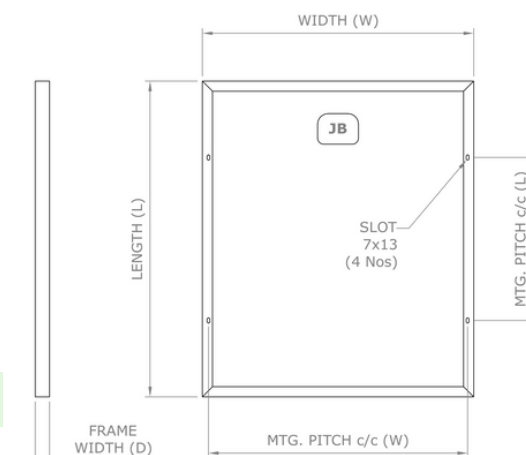
STC: 1000 W/ M2 IRRADIANCE, 25°C CELL TEMPERATURE, AM 1.5G SPECTRUM

Mechanical Characteristics	INV-P-12-50Wp	INV-P-12-60Wp	INV-P-12-60Wp-L	INV-P-12-80Wp	INV-P-12-100Wp
L x W x D - (mm)	550 x 665 x 30	665 x 665 x 30	655 x 359 x 30	775 x 665 x 30	1010 x 665 x 30
Mounting Hole Pitch (L) - (mm)	300	400	300	400	600
Mounting Hole Pitch (W) - (mm)	633	633	327	633	633
Weight - (Kg)	4	4.55	4.25	5.4	7.05
Cells Per Module	----- 36 -----				
Cell Type	----- Poly-Crystalline -----				
Front Cover (Material/ Thickness)	----- Tempered & Low Iron Glass, 3.2 mm -----				
Encapsulant	----- Ethylene Vinyl Acetate -----				
Frame	----- Anodized Aluminium Alloy -----				
Junction Box	----- IP 67 rated/ Weatherproof PPO -----			/ IP65 rated/ Weatherproof PPO	
Number of Bypass Diodes	2	2	2	2	2
Connectors	----- Optional -----				
Cable (m)	----- Optional -----				

Mounting Details - Regular



Mounting Details - Length



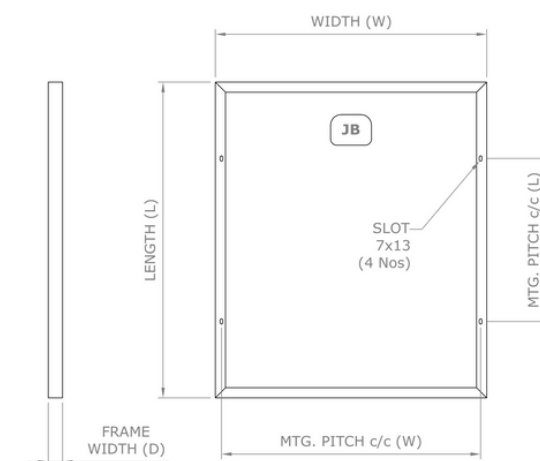
Models INV-P-12-125Wp & INV-P-12-165Wp

Electrical Characteristics	INV-P-12-125Wp	INV-P-12-165Wp
Peak Power, Pmax (Wp)	125	165
Open Circuit Voltage, Voc (V)	22.84	22.84
Short Circuit Current, Isc (A)	7.10	9.37
Voltage at maximum power, Vmp (V)	18.72	18.72
Current at maximum power, Imp (A)	6.68	8.82
Maximum System Voltage (Vdc)	----- 600V/1000V -----	
Maximum Efficiency (%)	14.97	16.24

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

Mechanical Characteristics	INV-P-12-125Wp	INV-P-12-165Wp
L x W x D - (mm)	1255 x 665 x 30	1505 x 675 x 30
Mounting Hole Pitch (L) - (mm)	600	750
Mounting Hole Pitch (W) - (mm)	633	643
Weight - (Kg)	8.8	10.5
Cells Per Module	----- 36 -----	
Cell Type	----- Poly-Crystalline -----	
Front Cover (Material/ Thickness)	Tempered & Low Iron Glass, 3.2 mm	
Encapsulant	----- Ethylene Vinyl Acetate -----	
Frame	----- Anodized Aluminium Alloy -----	
Junction Box	----- IP 65 rated/ Weatherproof PPO -----	
Number of Bypass Diodes	2	2
Connectors	MC4	MC4
Cable (m)	0.5	0.5

Mounting Details



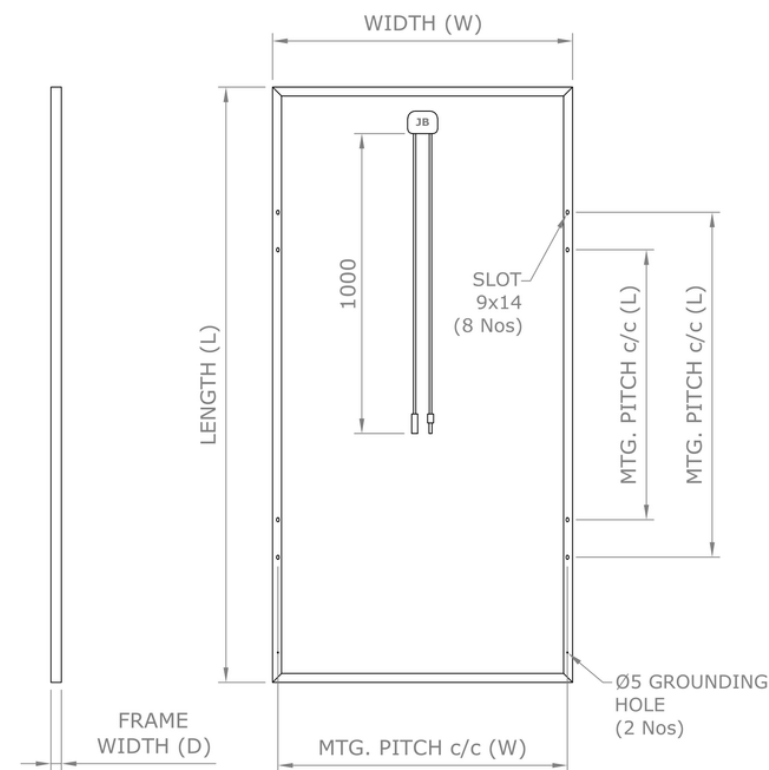
Models from INV-P-12-200Wp to INV-P-12-335Wp

Electrical Characteristics	INV-P-12-200Wp	INV-P-12-260Wp	INV-P-12-335Wp
Peak Power, Pmax (Wp)	200	260	335
Open Circuit Voltage, Voc (V)	22.84	22.84	23.27
Short Circuit Current, Isc (A)	11.24	15.08	18.74
Voltage at maximum power, Vmp (V)	18.72	18.72	18.72
Current at maximum power, Imp (A)	10.69	13.99	17.90
Maximum System Voltage (Vdc)	-----	1500V	-----
Maximum Efficiency (%)	14.90	15.96	16.87

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

Mechanical Characteristics	INV-P-12-200Wp	INV-P-12-260Wp	INV-P-12-335Wp
L x W x D - (mm)	1355 x 990 x 35	1645 x 990 x 35	1985 x 1000 x 35
Mounting Hole Pitch (L) - (mm)	1000/750	1000/750	1150/990
Mounting Hole Pitch (W) - (mm)	956	956	966
Weight - (Kg)	13.94	16.65	20.40
Cells Per Module	-----	72	-----
Cell Type	-----	Poly-Crystalline	-----
Front Cover (Material/ Thickness)	Tempered & Low Iron Glass with ARC Coating, 3.2 mm		
Encapsulant	-----	Ethylene Vinyl Acetate	-----
Frame	-----	Anodized Aluminium Alloy	-----
Junction Box	-----	IP 68 rated/ Weatherproof PPO	-----
Number of Bypass Diodes	3	3	3
Connectors	MC4	MC4	MC4
Cable (m)	1	1	1

Mounting Details



Other characteristics:

Temperature Co-efficients:

Current [α]	:	0.04 %/°C
Voltage [β]	:	-0.3 %/°C
Power [γ]	:	-0.37 %/°C
NOCT	:	45°C $\pm$ 2°C
Temperature Range	:	-40°C to + 85°C
Maximum Power Tolerance	:	$\pm$ 2%

Warranty:

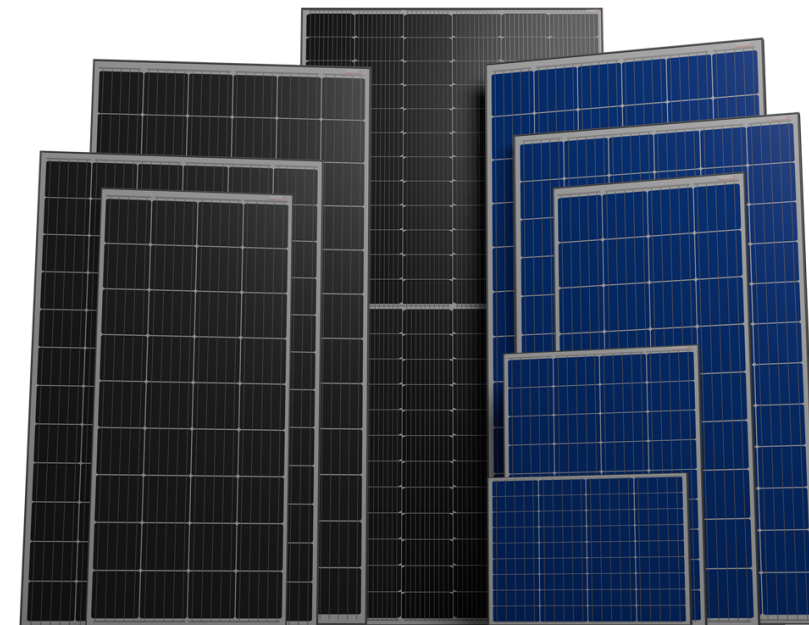
Product: 10 Years.

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.



102, C' Shed, 2nd Main Road, Machohalli, Bapagrama, Bengaluru,
Karnataka 560091

Ph: +91 63649 25204/ +91 63649 25205

Web: www.innovativesolarsolutions.in

Mail: info@innovativesolarsolutions.in