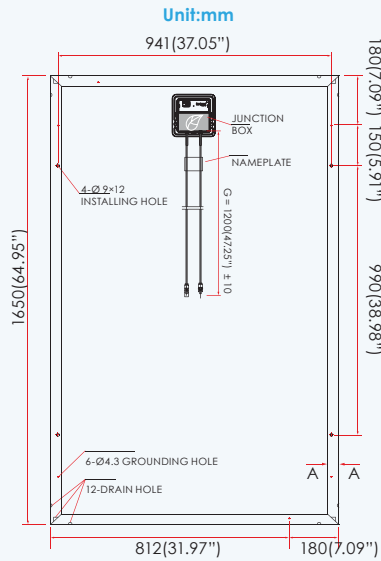
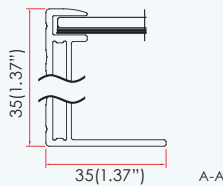


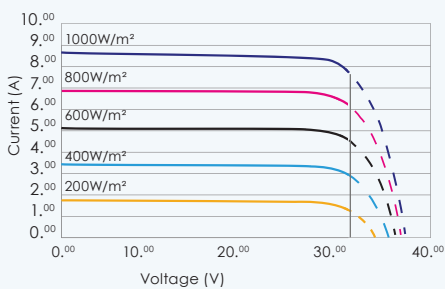
DIMENSIONS OF PV MODULE



Back View



I-V CURVES OF PV MODULE (245W)



CERTIFICATION



ELECTRICAL DATA (STC)

Peak Power Watts-P _{MAX} (Wp)	245	250	255	260
Power Output Tolerance-P _{MAX} (%)	0 ~ +3			
Maximum Power Voltage-V _{MPP} (V)	29.9	30.3	30.5	30.6
Maximum Power Current-I _{MPP} (A)	8.20	8.27	8.37	8.50
Smart Curve-V _{limit} (V)*	33.0			
Maximum Current-I _M (A)	9.50			
Module Efficiency η _m (%)	15.0	15.3	15.6	15.9

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3
 Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1
 * Trinasmart modules limit the open circuit voltage

ELECTRICAL DATA (NOCT)

Maximum Power-P _{MAX} (Wp)	182	186	190	193
Maximum Power Voltage-V _{MPP} (V)	27.6	28.0	28.1	28.3
Maximum Power Current-I _{MPP} (A)	6.59	6.65	6.74	6.84
Smart Curve-V _{limit} (V)	33.0			
Maximum Current-I _M (A)	9.50			

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm (6 inches)
Cell orientation	60 cells (6 × 10)
Module dimensions	1650 × 992 × 35 mm (64.95 x 39.05 x 1.37 inches)
Weight	19 kg (41.9lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (PD05.002), Black (PD05.082)
J-Box	IP 65 rated
Cables	Photovoltaic Technology cable 4.0 mm ² (0.006 inches ²), 1200 mm (47.25" inches)
Connector	(H4) Amphenol *MC4 upon special request
Fire Type	Type 2

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.41%/°C
Temperature Coefficient of V _{OC}	0%/°C
Temperature Coefficient of I _{SC}	0.05%/°C

MAXIMUM RATINGS

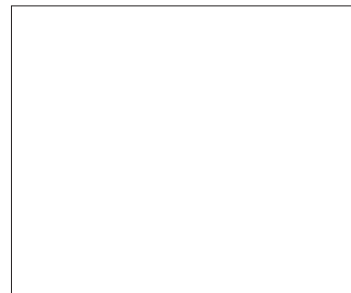
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC(UL) 1000V DC(IEC)
Max Series Fuse Rating	15A

WARRANTY

10 year workmanship warranty
 25 year linear performance warranty
 (Please refer to product warranty for details)

PACKAGING CONFIGURATION

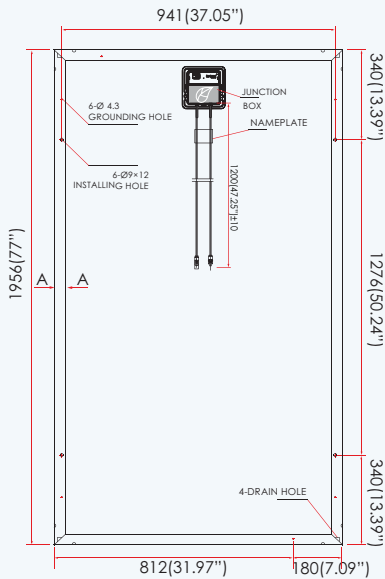
Modules per box: 30 pieces
 Modules per 40' container: 840 pieces



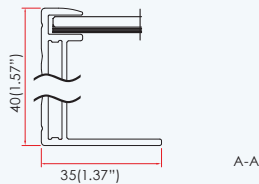
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DIMENSIONS OF PV MODULE

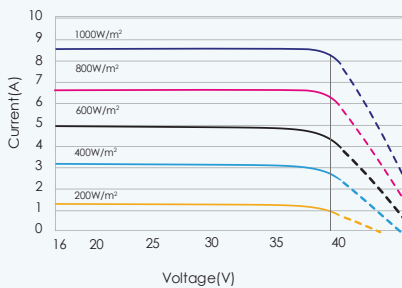
Unit:mm



Back View



I-V CURVES OF PV MODULE (295W)



CERTIFICATION



ELECTRICAL DATA (STC)

Parameter	295	300	305	310
Peak Power Watts- P_{MAX} (Wp)	295	300	305	310
Power Output Tolerance- P_{MAX} (%)	0 ~ +3			
Maximum Power Voltage- V_{MPP} (V)	35.8	36.2	36.6	37.0
Maximum Power Current- I_{MPP} (A)	8.25	8.28	8.33	8.38
Smart Curve- $V_{limit}(V)^*$	39.4			
Maximum Current- $I_M(A)$	9.50			
Module Efficiency η_m (%)	15.2	15.5	15.7	16.0

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3
 Typical efficiency reduction of 4.5% at 200 W/m² according to EN 60904-1
 * Trinasmart modules limit the open circuit voltage

ELECTRICAL DATA (NOCT)

Parameter	220	223	227	231
Maximum Power- P_{MAX} (Wp)	220	223	227	231
Maximum Power Voltage- V_{MPP} (V)	33.2	33.5	33.8	34.1
Maximum Power Current- I_{MPP} (A)	6.61	6.66	6.72	6.77
Smart Curve- $V_{limit}(V)$	39.4			
Maximum Current- $I_M(A)$	9.50			

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	Multicrystalline 156 × 156 mm (6 inches)
Cell orientation	72 cells (6 × 12)
Module dimensions	1956 × 992 × 40 mm (77 x 39.05 x 1.57 inches)
Weight	28 kg (61.7lb)
Glass	3.2 mm (0.13" inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 65 rated
Cables	Photovoltaic Technology cable 4.0 mm ² (0.006 inches ²), 1200 mm (47.25" inches)
Connector	(H4) Amphenol *
Fire Type	Type 8

*MC4 upon special request

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	-0.41%/°C
Temperature Coefficient of V_{OC}	0%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC(UL) 1000V DC(IEC)
Max Series Fuse Rating	15A

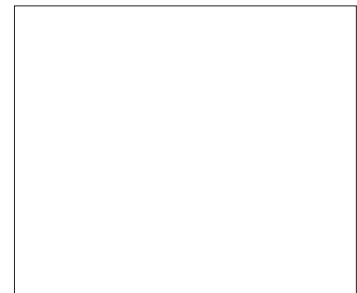
WARRANTY

- 10 year workmanship warranty
- 25 year linear performance warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

- Modules per box: 26 pieces
- Modules per 40' container: 572 pieces



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