

Half Cell

380W-410W

72 LAYOUT

MONOCRYSTALLINE MODULE

380W-410W

POWER OUTPUT RANGE

20.2%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Apply to



home roof



ground Power Station



Industrial and Commercial Roofs

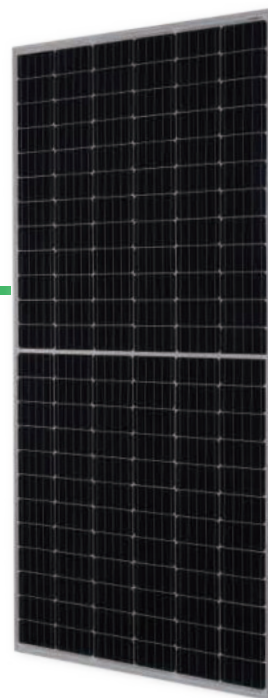
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TEGINNOVA

ASIA



Higher Output of Power

Effectively reduce the unit cost of PV solar system by watt



Optimize the temperature coefficient

Improve the performance under the condition of shadow and low temperature coefficient



Reduce the shadow loss on the power output

Effectively reduce the risk of heat spot on high efficiency PV module

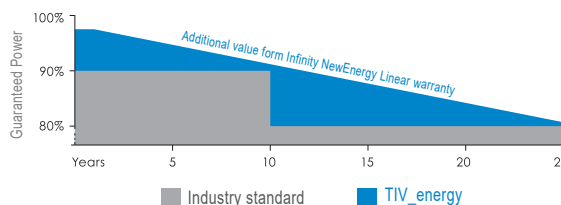


Stronger the physical property

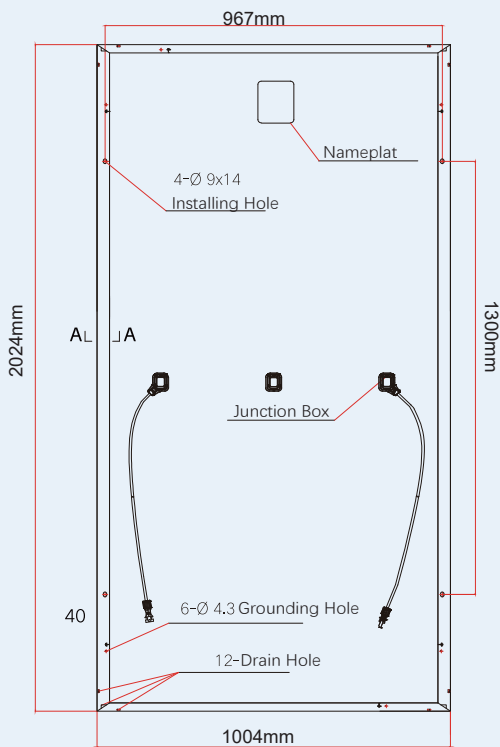
Optimize the property of power generating and reliability of the system

LINEAR PERFORMANCE WARRANTY

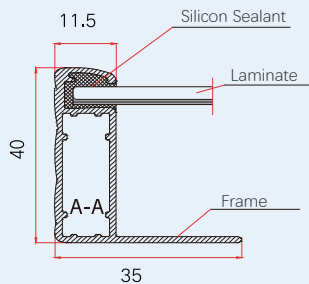
12 Year Product Warranty · 28 Year Linear Power Warranty



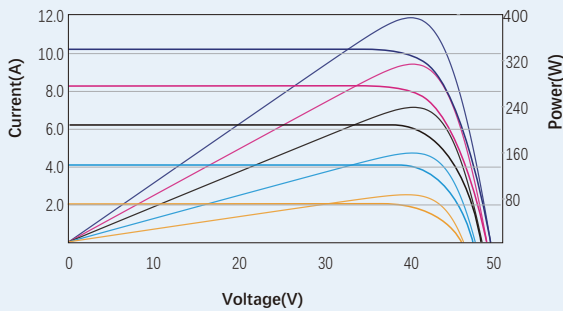
DIMENSIONS OF PV MODULE



Back View



Current-Voltage & Power-Voltage Curves(395W)



MECHANICAL DATA

Solar cells	Monocrystalline 158.75*79.375
Cell orientation	144cells (6*24)
Module dimensions	2024*1004*40mm
Weight	22.8kg
Glass	High Transparency, Anti-Reflective, A R Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 68 rated
Cables	Photovoltaic Technology cable 4.0 mm ² , Customized Available
Connector	MC4 compatible

ELECTRICAL DATA@STC

	380	385	390	395	400	405	410
STC: Irradiance 1000 W/m ² , Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200 W/m ² according to EN 60904-1.							
Open Circuit Voltage-V _{oc} (V)	48.9	49.2	49.5	49.8	50.1	50.4	50.7
Short Circuit Current-I _{sc} (A)	9.99	10.03	10.08	10.13	10.18	10.23	10.28
Maximum Power Voltage-V _{MPP} (V)	39.6	40.1	40.5	40.8	41.1	41.4	41.7
Maximum Power Current-I _{MPP} (A)	9.59	9.61	9.64	9.69	9.74	9.79	9.84
Module Efficiency (%)	18.7	18.9	19.2	19.4	19.7	19.9	20.2

ELECTRICAL DATA@NOCT

	NOCT: Irradiance at 800 W/m ² , Ambient Temperature 20°C, Wind Speed 1 m/s						
Maximum Power-P _{MAX} (Wp)	281	285	289	293	296	300	304
Maximum Power Voltage-V _{MPP} (V)	36.6	37.0	37.4	37.7	38.0	38.2	38.5
Maximum Power Current-I _{MPP} (A)	7.67	7.70	7.73	7.77	7.81	7.85	7.89
Open Circuit Voltage-V _{oc} (V)	45.6	45.9	46.2	46.5	46.8	47.0	47.3
Short Circuit Current-I _{sc} (A)	8.05	8.08	8.12	8.16	8.20	8.24	8.29

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±3°C)	Temperature Coefficient of V _{oc}	-0.29%/°C
Temperature Coefficient of P _{MAX}	-0.37%/°C	Temperature Coefficient of I _{sc}	0.047%/°C

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C	Max Series Fuse Rating	20A
Maximum System Voltage	1500V DC (IEC/UL)		

WARRANTY

12 year workmanship warranty
28 year linear performance warranty
(Please refer to product warranty for details)