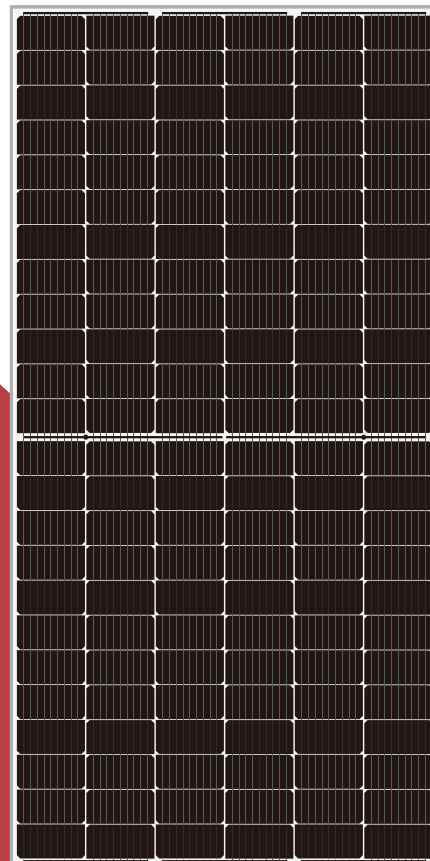




HUGE SOLAR

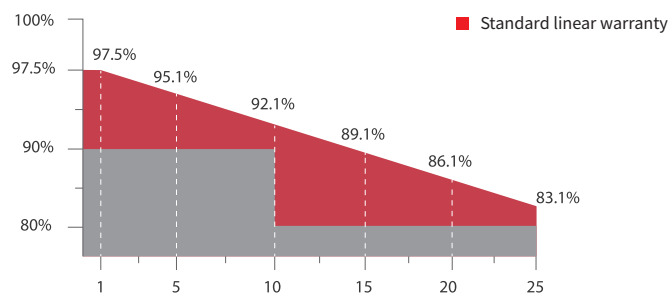
HS-M166H672 440-460W

440-460W Mono



Suitable for ground power plants and large projects.
166mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas. High module quality ensures long-term reliability.

Linear performance Warranty



Linear performance warranty



Product warranty

Comprehensive Certificates

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



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HUGE SOLAR

HS-M166H672 440-460W

Electrical Specification (STC*)

Maximum Power	P _{max} (W)	440	445	450	455	460
Maximum Power Voltage	V _{mp} (V)	41.40	41.75	42.10	42.45	42.80
Maximum Power Current	I _{mp} (A)	10.63	10.66	10.69	10.72	10.75
Open Circuit Voltage	V _{oc} (V)	49.25	49.55	49.84	50.13	50.42
Short Circuit Current	I _{sc} (A)	11.14	11.17	11.20	11.23	11.26
Module Efficiency	(%)	20.3	20.5	20.7	20.9	21.2
Power Output Tolerance	(W)					0~+5

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Maximum Power	P _{max} (W)	326.08	329.78	333.48	337.26	340.94
Maximum Power Voltage	V _{mp} (V)	37.90	38.10	38.30	38.50	38.70
Maximum Power Current	I _{mp} (A)	8.61	8.66	8.71	8.76	8.81
Open Circuit Voltage	V _{oc} (V)	46.30	46.50	46.70	46.90	47.10
Short Circuit Current	I _{sc} (A)	9.13	9.20	9.26	9.32	9.38

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Temperature Ratings

Nominal Operating Cell Temperature [NOCT]	44±2°C
Temperature Coefficient of I _{sc}	+0.06%/°C
Temperature Coefficient of V _{oc}	-0.30%/°C
Temperature Coefficient of P _{MAX}	-0.39%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	20A

Packaging Configuration

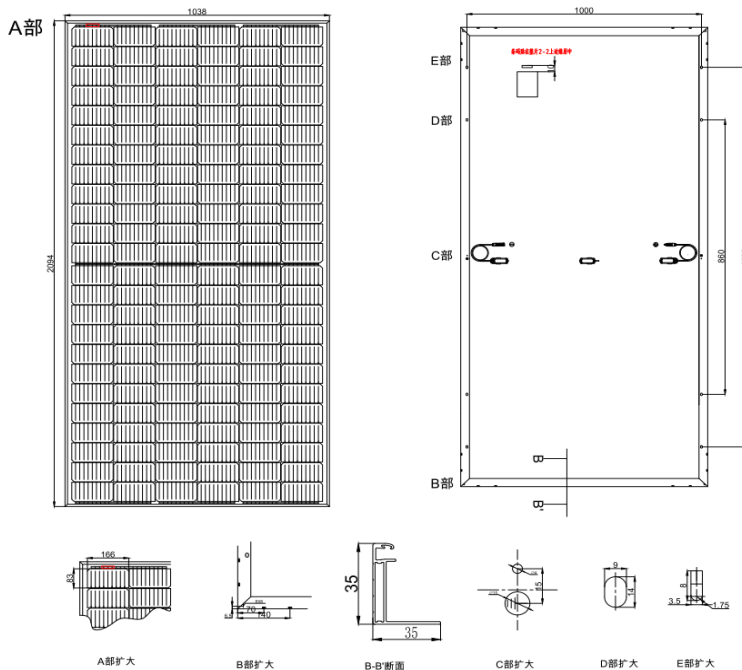
Module per box	31 pieces
Module per 40' container	682 pieces

Mechanical Data

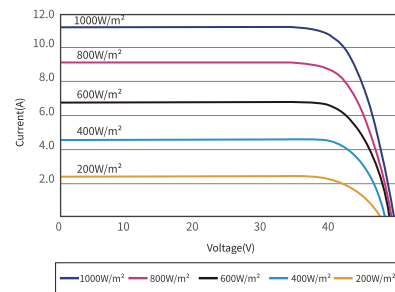
Number of Cells	144 Cells (6×24)
Dimensions of Module L*W*H (mm)	2094×1038×35mm (82.44×40.86×1.38 inches)
Weight (kg)	24.3kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm ² (0.006 inches ²), 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

* For more details please check the installation manual

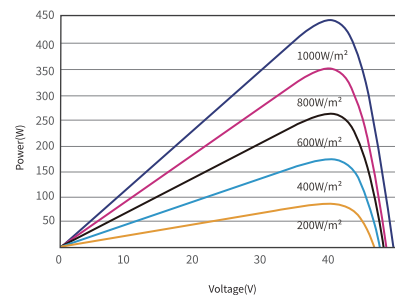
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(445W)



P-V CURVES OF PV MODULE(445W)