



Harmony Fab
汉 摩 尼 光 电

Shingle-G

HARMONY FAB

400W

Glass Solar Panel



Higher Power Output

High Density Shingling Tech.5-10% More Power Generation than Normal Panel



Shock Resistance

Tempered Glass,
High Quality Aluminium Frame



Aesthetic Apperance

Shingling Tech., High Consistency



Easy Installation

Light weight, easy for handling



Customized

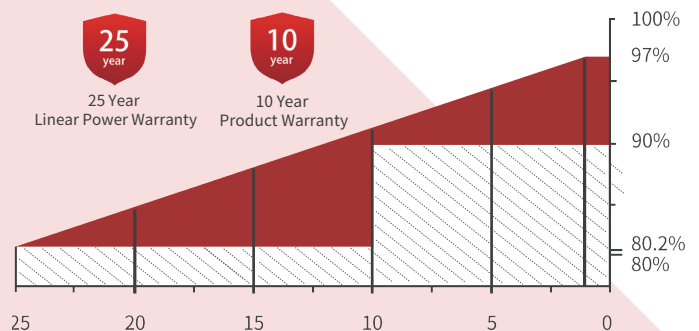
Provide Customized Service

Quality system: ISO 9001: 2005



Linear Performance Warranty

linear power warranty

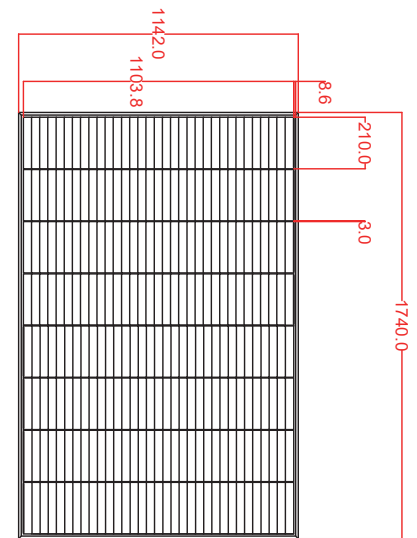


ELECTRICAL CHARACTERISTICS

STC	HMN-400-GBA
Maximum Power (P _{max})	400W
Maximum Power Voltage(V _{mp})	35.9V
Maximum Power Current(I _{mp})	11.16A
Open-circuit Voltage(V _{oc})	43.2V
Short-circuit Current(I _{sc})	11.82A
Module Efficiency(%)	20.13%
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	1000VDC
Maximum Series Fuse Rating	20 A
Application Class	Class A
Power Tolerance	0~+5 W

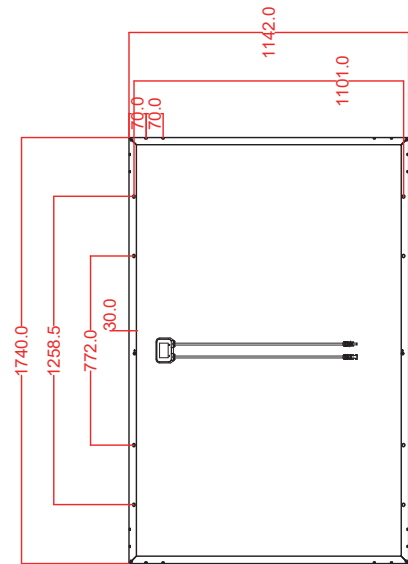
STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

CHARACTERISTICS



MECHANICAL CHARACTERISTICS

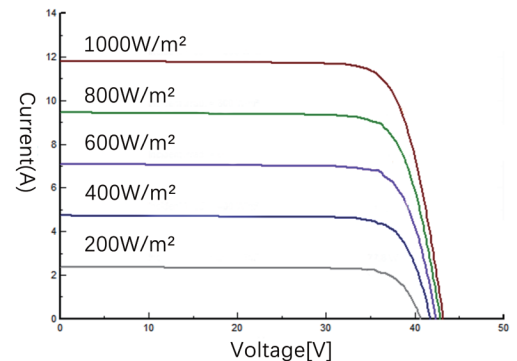
Solar Cell	Monocrystalline silicon cell
No. of cells	256 (33*8)
Module Dimensions	L:1740*W:1142*H:35mm
Weight	24.5kg
Front Glass	3.2 mm tempered AR Glass
Backsheet	White PV Backsheet
Frame	35 mm Aluminum Frame
J-Box	IP 67
Output cables	4mm ²
Cable length	(+)/(-) 500 mm
Connector	MC4 compatible



TEMPERATURE CHARACTERISTICS

NOCT (Nominal Operating Cell Temperature)	45 ± 2°C
Temperature Coefficient of P _{max}	-0.35%/°C
Temperature Coefficient of V _{oc}	-0.27%/°C
Temperature Coefficient of I _{sc}	0.050%/°C

I-V CURVE



Packaging

Pieces per pallet	31
Container	40'HQ
Pieces per container	806

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