



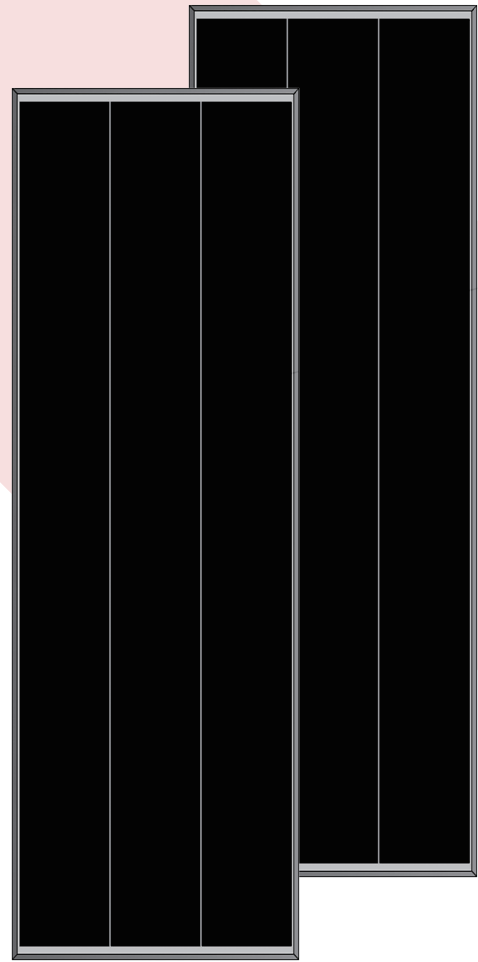
Harmony Fab
汉 摩 尼 光 电

Shingle-G

HARMONY FAB

150W

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

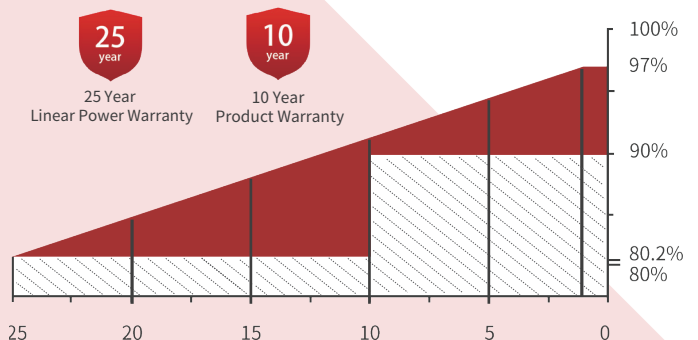
Provide Customized Service

Quality system: ISO 9001: 2005



Linear Performance Warranty

linear power warranty



ELECTRICAL CHARACTERISTICS

STC	HMN-150-GBA
Maximum Power (P_{max})	150W
Maximum Power Voltage (V_{mp})	27.7V
Maximum Power Current (I_{mp})	5.42A
Open-circuit Voltage (V_{oc})	33.5W
Short-circuit Current (I_{sc})	5.71A
Module Efficiency (%)	18.8%
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	600VDC
Maximum Series Fuse Rating	15 A
Application Class	Class A
Power Tolerance	0~+5 W

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon cell
No. of cells	150 (50*3)
Module Dimensions	L:1564*W:510*H:35 mm
Weight	12.2kg
Front Glass	3.2 mm tempered AR Glass
Backsheet	White PV Backsheet
Frame	35 mm Aluminium Frame
J-Box	IP 67
Output cables	4mm ²
Cable length	(+)/(-) 500 mm
Connector	MC4 compatible

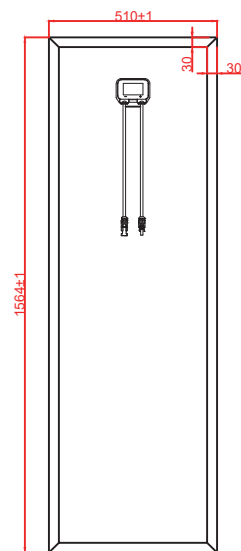
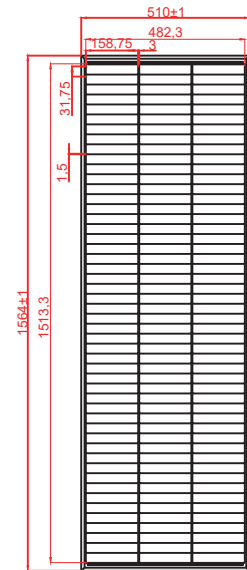
TEMPERATURE CHARACTERISTICS

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

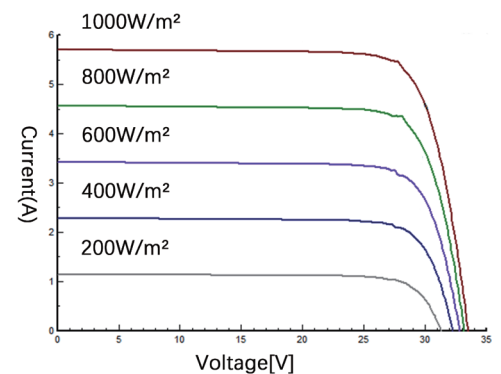
Packaging

Pieces per pallet	31
Container	20'GP
Pieces per container	651
Container	40'GP
Pieces per container	1302

CHARACTERISTICS



I-V CURVE



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