



Harmony Fab

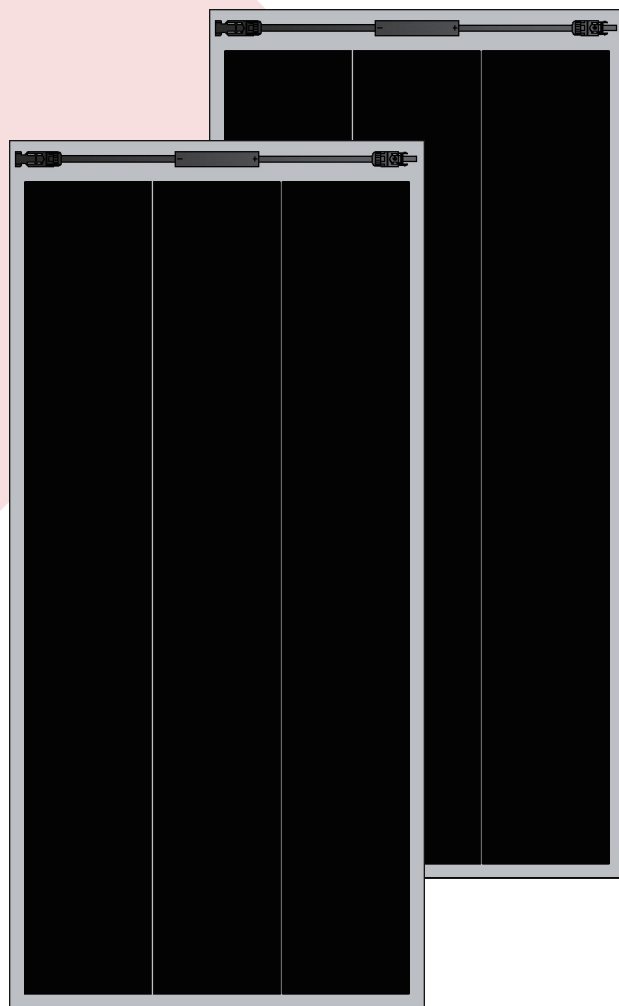
汉 摩 尼 光 电

Shingle-F

HARMONY FAB

100W

Flexible Solar Panel



Light Weight

Frameless, Glass free



Flexibility

Special manufacturing process and materials provide bending ability



Aesthetic Appearance

Shingling Tech., High Consistency



Easy Installation

Light weight, easy for handling



Customized

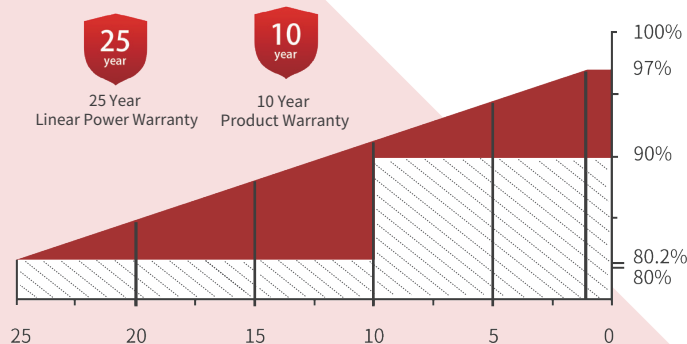
Provide Customized Service

Quality system: ISO 9001: 2005



Linear Performance Warranty

linear power warranty



ELECTRICAL CHARACTERISTICS

STC	HMN-100-EWAS
Maximum Power (P_{max})	100W
Maximum Power Voltage (V_{mp})	18.4V
Maximum Power Current (I_{mp})	5.51A
Open-circuit Voltage (V_{oc})	22.3V
Short-circuit Current (I_{sc})	5.88A
Module Efficiency (%)	17.64%
Operating Temperature	-40 °C to 85 °C
Maximum System Voltage	600VDC
Maximum Series Fuse Rating	15A
Application Class	Class A
Power Tolerance	0~+5W

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

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon cell
No. of cells	102 (3*34)
Module Dimensions	L:1090*W:520*H:18 mm
Weight	2.1 kg
Backsheet	White PV Backsheet
J-Box	IP 67
Output cables	4mm ²
Cable length	(+)/(-) 300mm
Connector	MC4 compatible

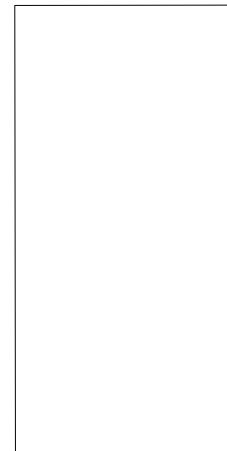
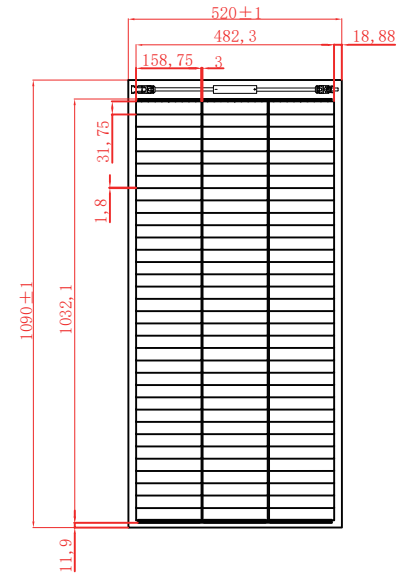
TEMPERATURE CHARACTERISTICS

NOCT (Nominal Operating Cell Temperature)	41 ± 2°C
Temperature Coefficient of P_{max}	-0.38%/°C
Temperature Coefficient of V_{oc}	-0.28%/°C
Temperature Coefficient of I_{sc}	0.020%/°C

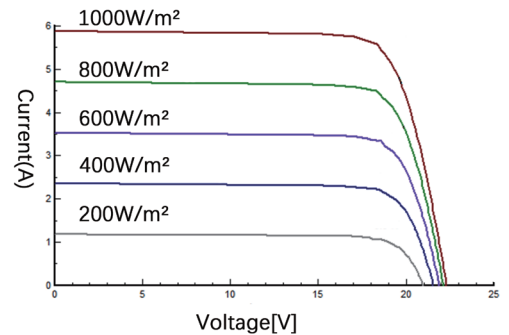
Packaging

Pieces per pallet	35
Container	20'GP
Pieces per container	945
Container	40'GP
Pieces per container	2100

CHARACTERISTICS



I-V CURVE



Harmony Fab (Jiangsu) Solar Tech. Co., Ltd.
 No.39 Community, Tianhougong Country,
 Wujie Town, Tongzhou District
 226368 Nantong
 PEOPLE'S REPUBLIC OF CHINA
 Tel : 0086-513-6992-3099
 0086-153-7196-7768
 EMAIL : tony.yuan@harmonyfab.com
 www.harmonyfab.com

