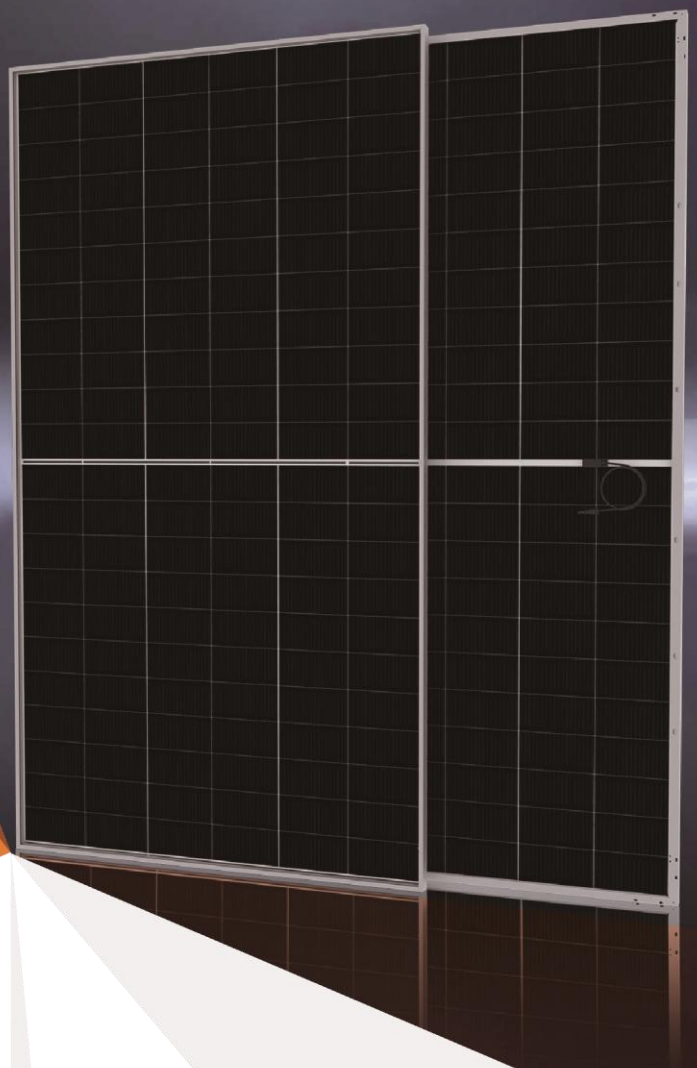
TALESUN

BIPRO

TM8G66M 132-cell

705 - 725W

Bifacial Dual Glass
18BB Half-cut N-type

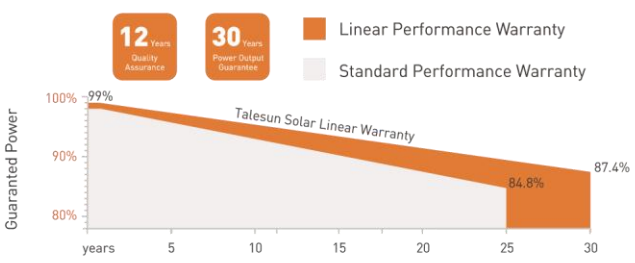


SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 61730
- ISO 9001: 2015 Quality Management System
- ISO 14001: 2015 Environment Management System
- ISO 45001: 2018 Occupational Health and Safety Management Systems

c UL us LISTED CE DEKRA

PERFORMANCE WARRANTY



KEY FEATURES

18BB Half-cut Cell Technology

Lower LID/LeTID degradation and better low light performance
Attenuation ⩽1% (1st year) / ⩽0.4% (Linear)

Industry Leading High Yield

Bifacial N-type cell technology,
Dual-sided power generation gain from back side depending on albedo, significantly reduce LCOE

Excellent Anti-PID Performance

PID Anti

192 hours Anti-PID test

Wider Application

No water-permeability and high wear-resistance,
can be widely used in high-humid, windy and dusty area

IP68 Junction Box

High waterproof level

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ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	705	540	710	543	715	547	720	551	725	555
Operating Voltage (Vmpp/V)	40.70	38.30	40.90	38.50	41.10	38.70	41.30	38.80	41.50	39.00
Operating Current (Impp/A)	17.33	14.08	17.36	14.12	17.40	14.14	17.44	14.19	17.47	14.23
Open-Circuit Voltage (Voc/V)	48.80	46.30	49.00	46.50	49.20	46.70	49.40	46.90	49.60	47.10
Short-Circuit Current (Isc/A)	18.36	14.80	18.40	14.83	18.44	14.86	18.49	14.90	18.53	14.94
Module Efficiency (%)	22.70		22.90		23.00		23.20		23.30	

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25℃, Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%
NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20℃, Wind speed 1m/s

REAR SIDE POWER GAIN(REFERENCE TO 705W FRONT)

Pmax gain	5%	10%	15%	20%	25%
Pmax/W	740	776	811	846	881
Vmpp/V	40.70	40.70	40.70	40.70	40.70
Impp/A	18.20	19.06	19.93	20.80	21.66
Voc/V	48.80	48.80	48.80	48.80	48.80
Isc/A	19.28	20.20	21.11	22.03	22.95

MECHANICAL CHARACTERISTICS

Cell Type	N-type Mono-Crystallin (18Busbar)
No. of Cells	132pcs in series (6*22)
Module Dimensions	2384*1303*33mm (93.86*51.30*1.30inches)
Weight	38.5kg (84.88lbs.)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm² (IEC), 12AWG(UL) 350(+),280(-)mm in Length or Customized Length
Connectors	MC4/MC4-EVO2A/Others

APPLICATION CONDITIONS

Maximum System Voltage	1500V/DC
Operating Temperature	-40°C~+85°C
Maximun Series Fuse	35A
Safety Protection Class	Class Ⅱ
Mechanical Load*	Front side 5400Pa, Back side 2400Pa
Refer. Bifaciality Factor	80%±5%

*Refer to the installation manual for details

TEMPERATURE CHARACTERISTICS

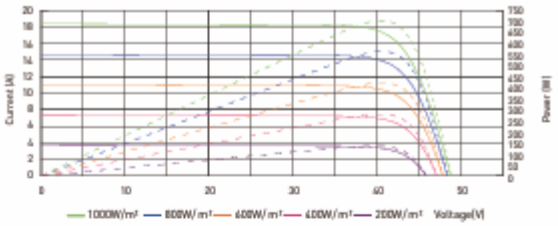
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

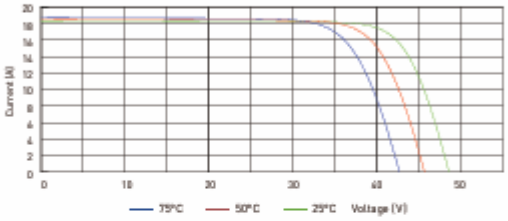
PACKING CONFIGURATION

Pieces Per Pallet	33	33(USA)
Pieces Per Container(40'HQ)	594	495

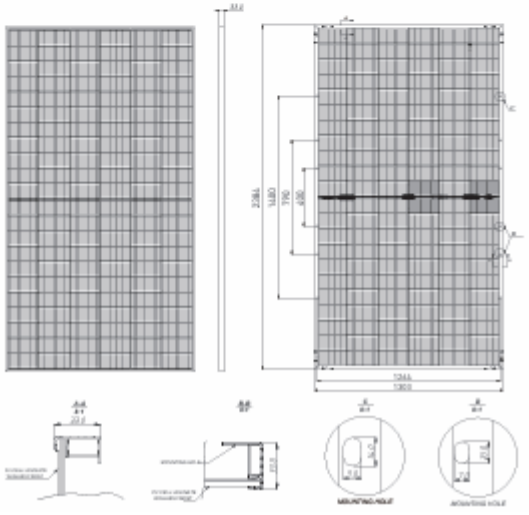
Electrical Performance

TM8G66M/705W





TECHNICAL DRAWINGS



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