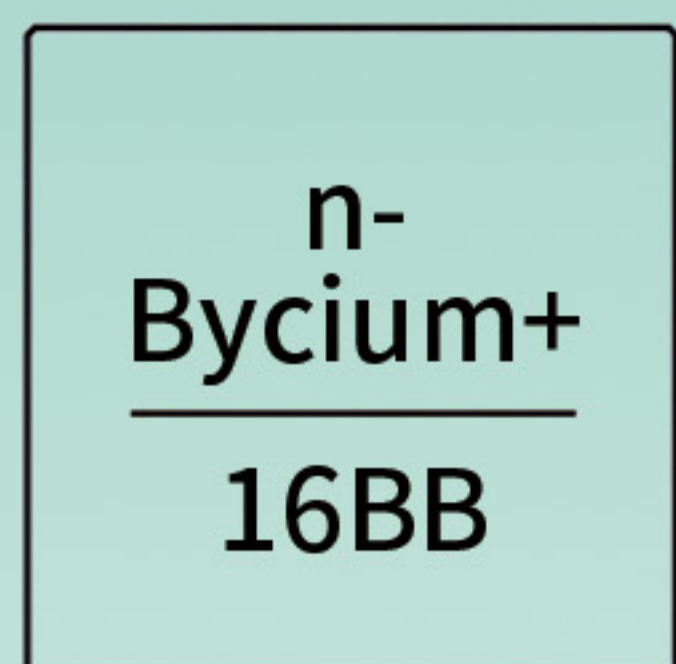


ROC N-type Series Modules 600-620W

YSG-R66HG N-type Bifacial Double-Glass PV Module

Better Cells



Multi-Busbar
Half-Cut Technology

26%
Efficient

High Cell Conversion
Efficiency

More Reliable Modules



Superior
Power
Generation



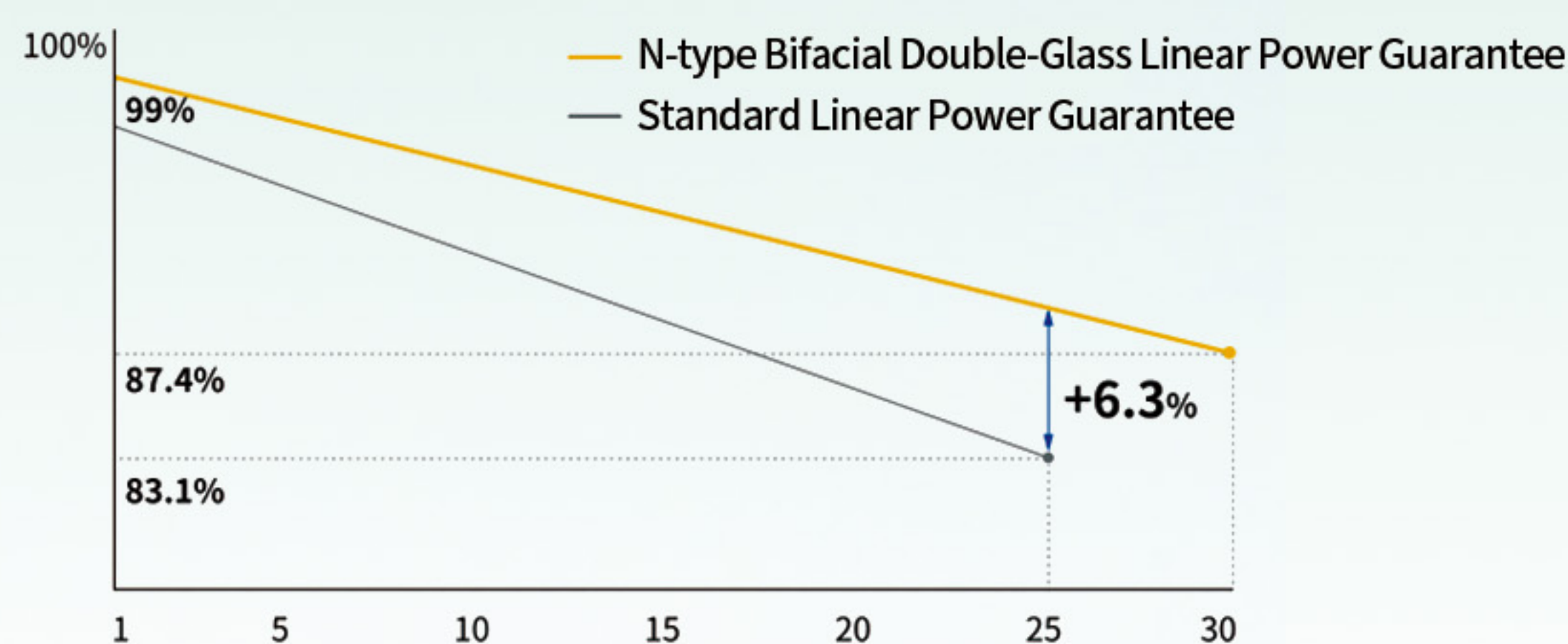
Reduced
Light-Induced
Degradation



Superior
Low-Light
Performance



Outstanding
Temperature
Coefficient
Characteristic



12-Year Product
Material and
Manufacturing
Process Warranty



30-Year Linear
Power Output
Warranty

First Year: 1%
Subsequent Years: 0.4%

Comprehensive Product and System Certification

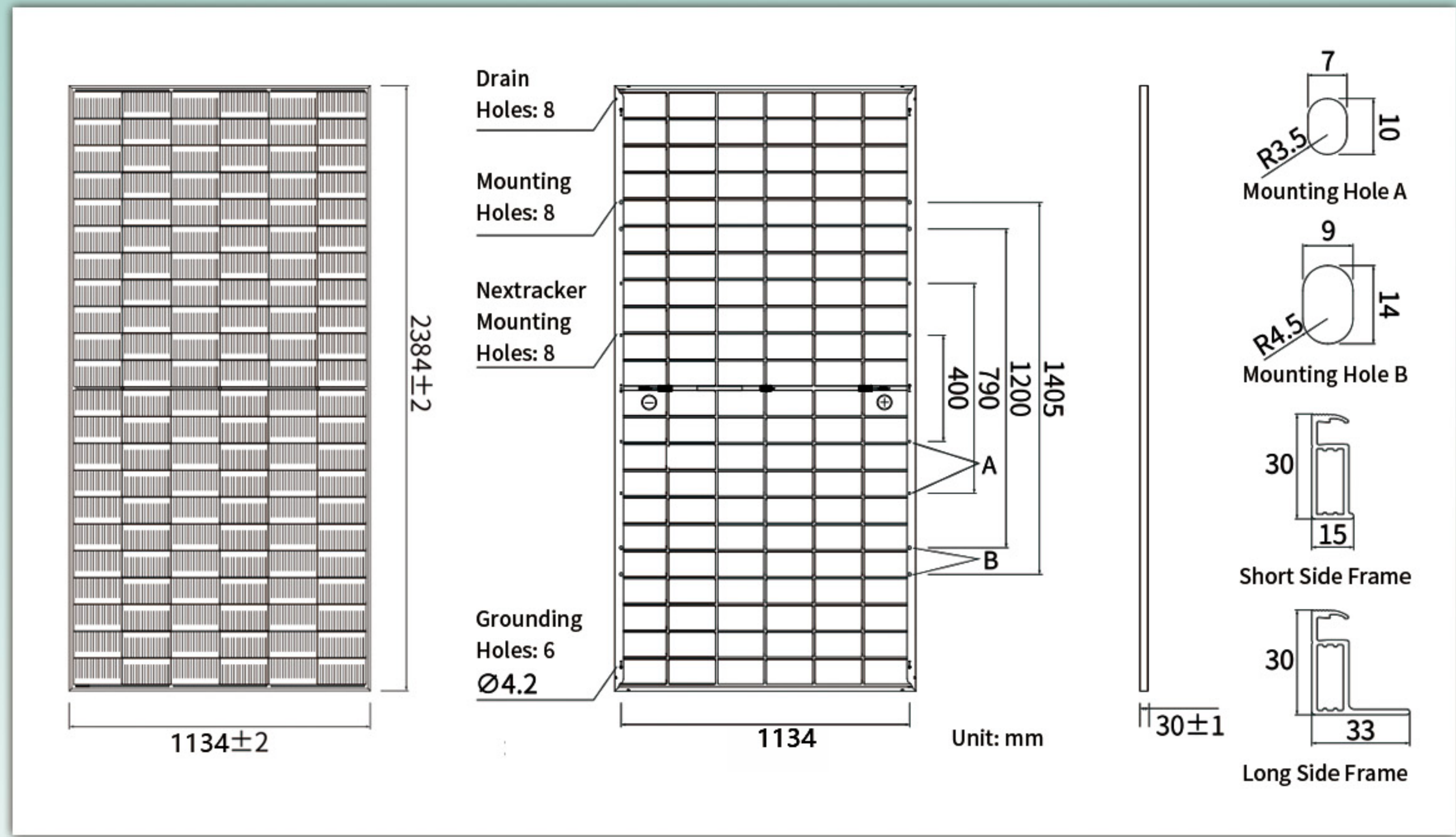
- IEC 61215, IEC 61730
- ISO9001:2015 Quality Management System
- ISO14001:2015 Environmental Management System
- ISO45001:2018 Occupational Health and Safety Management System
- IEC62941:2019 Terrestrial PV Module - PV Module Manufacturing Quantity System



Note: Warranty insurance is optional. Please contact our local sales staff for more information.



YSG-66HG N-type Bifacial Double-Glass PV Module



Mechanical Parameters

Monocrystalline Cell	TNC (N Type Monocrystalline Cell)
Cell Arrangement	132 cells [6x22]
Module Dimensions	2384±2X1134±2X30mm
Module Weight	32.5kg
Front Glass	2.0mm high-transparency, anti-reflection coated tempered glass
Rear Glass	2.0mm semi-tempered glass
Module Frame	Anodized aluminum alloy
Junction Box	IP68, featuring 3 diodes
Wire	4.0mm²
Wire Length	+400mm/-200mm; or customized
Wind/Snow Load	2400 Pa/5400 Pa
Per Pallet	36 pcs
Loading Quantity	40 Foot High Cube: 720 pieces. 13m Flatbed Truck: 720 pieces, 17.5m Flatbed Truck: 864 pieces

Note: Frame color and cable length can be customized upon request.

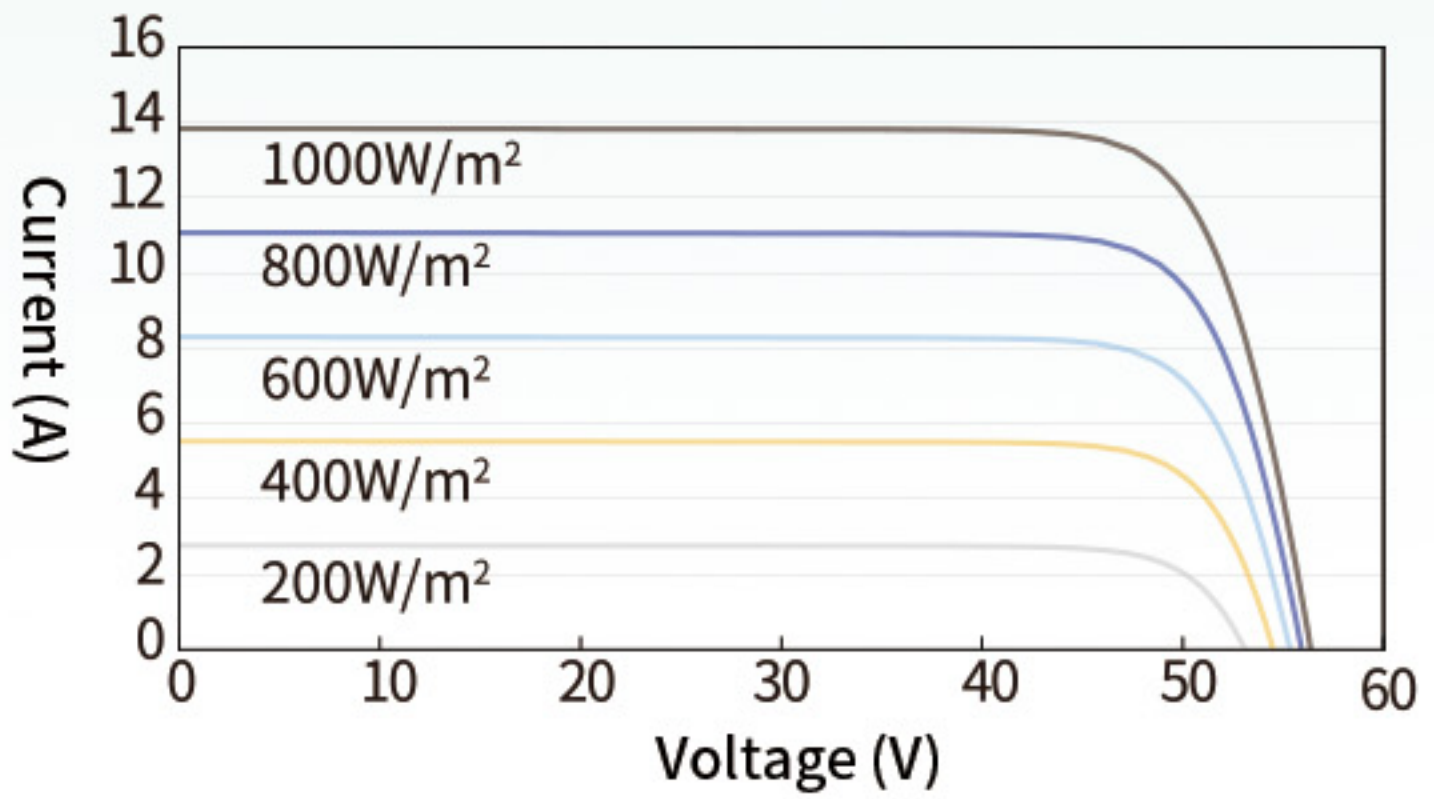
Electrical Performance Parameters (STC)

Model	ROC-YSGR66HG 600/MB	ROC-YSGR66HG 605/MB	ROC-YSGR66HG 610/MB	ROC-YSGR66HG 615/MB	ROC-YSGR66HG 620/MB
Maximum Power (Pmax) [W]	600	605	610	615	620
Open Circuit Voltage (Voc) [V]	47.5	47.7	47.9	48.1	48.3
Operating Voltage at Maximum Power Point (Vmp) [V]	40.75	40.95	41.15	41.35	41.55
Short Circuit Current (Isc)[A]	15.75	15.8	15.85	15.9	15.95
Operating Current at Maximum Power Point (Imp) [A]	14.73	14.78	14.83	14.88	14.95
Module Efficiency [%]	22.2	22.4	22.6	22.8	23
Power Tolerance	0~+3%				
Short Circuit Current Temperature Coefficient (alsc)	0.045%/°C				
Open Circuit Voltage Temperature Coefficient (βVoc)	-0.250%/°C				
Maximum Power Temperature Coefficient (γPmp)	-0.2909%/°C				
Standard Test Conditions (STC)	Irradiance: 1000 W/m²; Cell Temperature: 25°C; Spectrum: AM 1.5G				

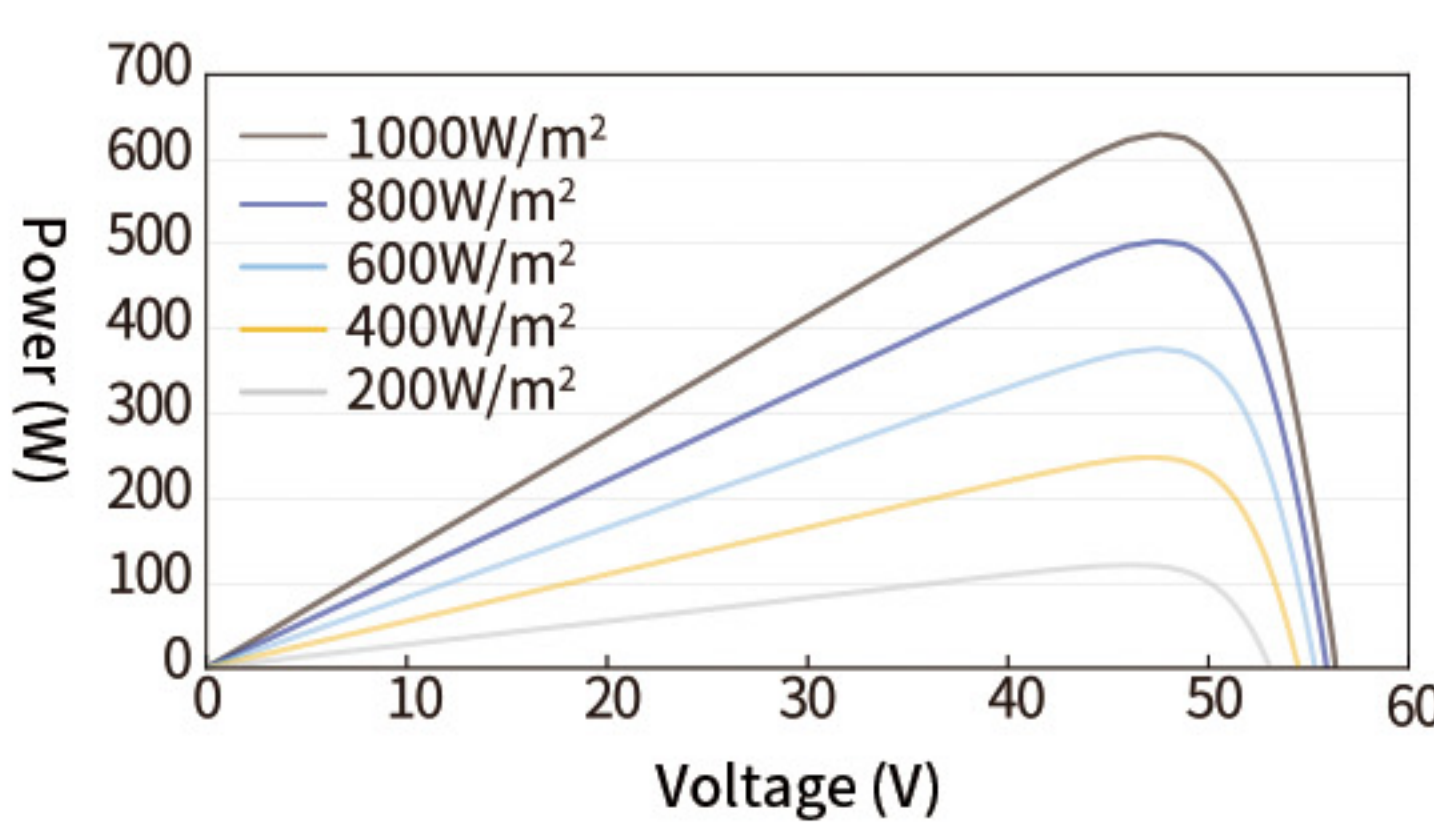
Note: The electrical performance parameters listed in this product catalog do not solely refer to a single module and are not part of the contractual commitments. The electrical parameters are solely for the purpose of comparing different module types.

Characteristic Curve

Current-Voltage Curve ROC-YSG-R66HG620W/MB



Power-Voltage Curve ROC-YSG-R66HG620W/MB



Electrical Performance Parameters under 10% Light Irradiation Intensity Ratio

Model	ROC-YSGR66HG 600/MB	ROC-YSGR66HG 605/MB	ROC-YSGR66HG 610/MB	ROC-YSGR66HG 615/MB	ROC-YSGR66HG 620/MB
Maximum Power (Pmax) [W]	664	670	675	680	686
Open Circuit Voltage (Voc) [V]	55.79	55.99	56.18	56.38	56.57
Operating Voltage at Maximum Power Point (Vmp) [V]	47.24	47.43	47.61	47.8	47.98
Short Circuit Current (Isc) [A]	14.79	14.84	14.89	14.95	15
Operating Current at Maximum Power Point (Imp) [A]	14.06	14.12	14.18	14.24	14.29
Irradiation Intensity Ratio (Back/Front)	10%				

Application Conditions

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Fuse Rated Current	30A
Maximum Static Load, Front Side*	5400Pa (112 lb/ft²)
Maximum Static Load, Rear Side *	2400Pa (50 lb/ft²)
Cell Rated Operating Temperature	45±2°C
Back Face Efficiency **	80%±10%
Security Level	Class II
Fire Performance	UL Type 29/Class C

Beijing YOPO Energy Technology Co., Ltd.

☎ 010-65777288

📍 No.252 Finance Road, Chaoyang North Road,
Chaoyang District, Beijing

🌐 www.yoposolar.com

✉ sales@yoposolar.com



Corporate Website



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