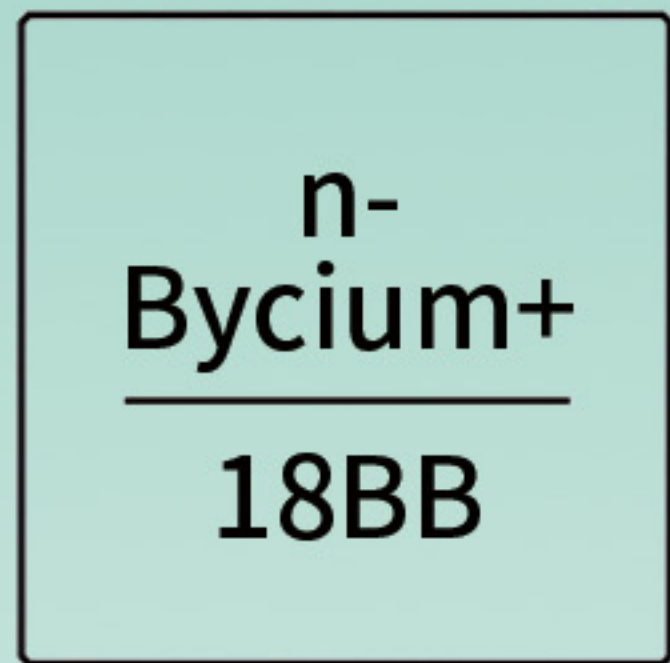


ROC N-type Series Modules **690-720W**

YSG-66HG 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



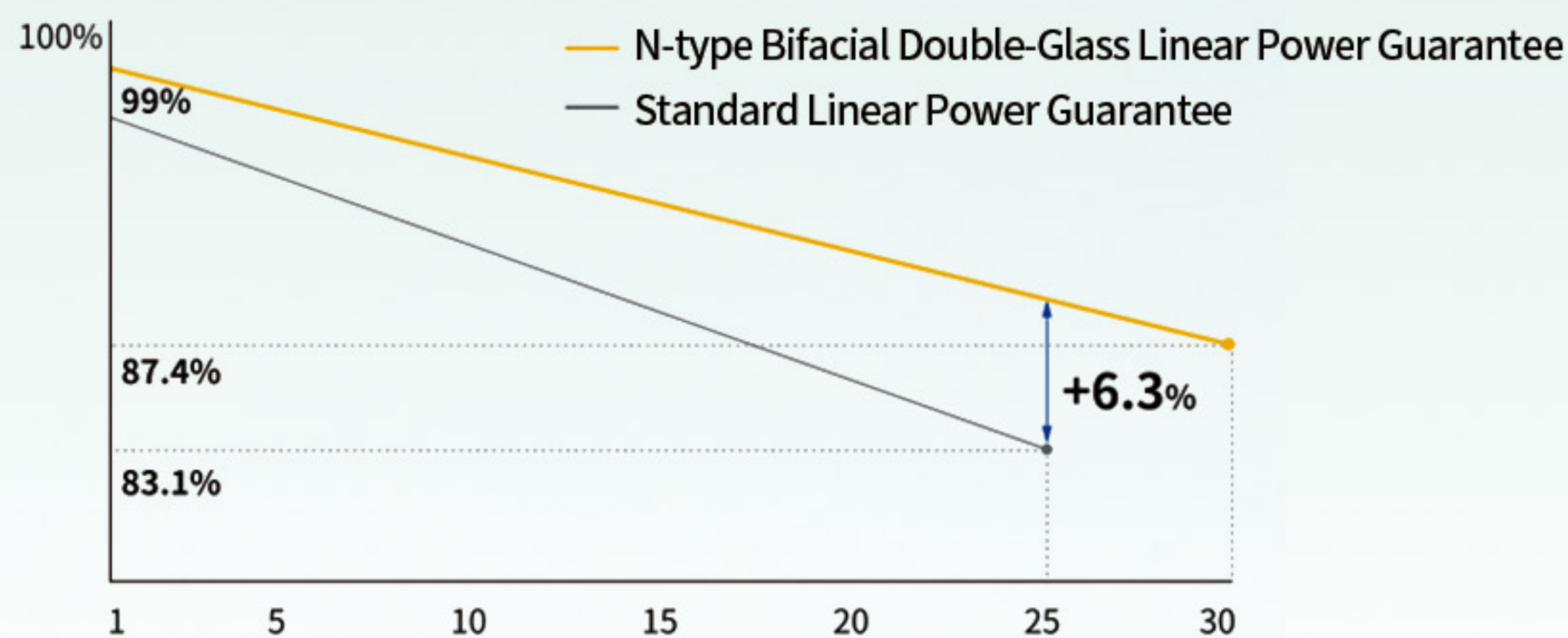
Reduced
Light-Induced
Degradation



Superior
Low-Light
Performance

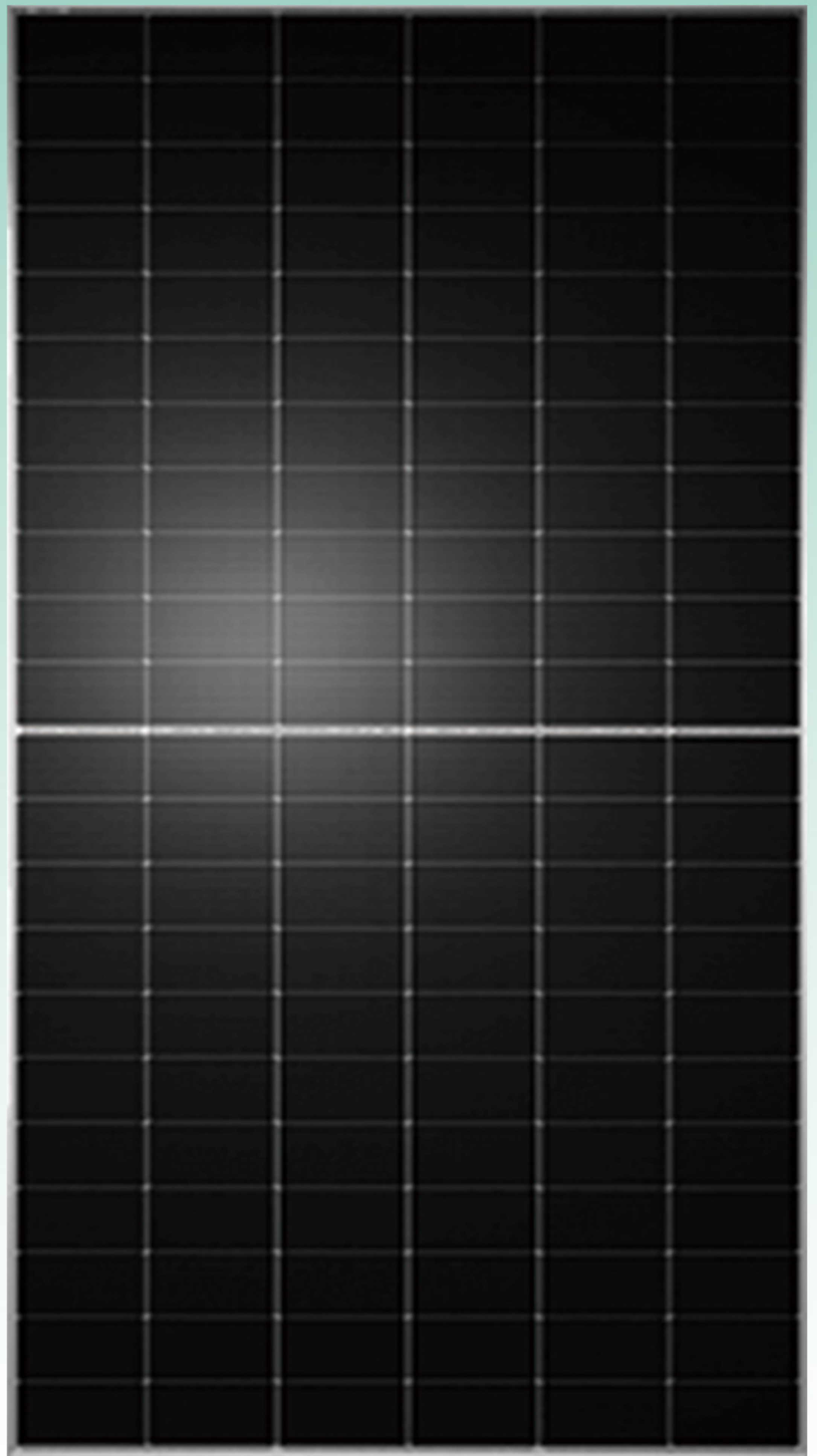


Outstanding
Temperature
Coefficient
Characteristic



12 12-Year Product
Material and
Manufacturing
Process Warranty

30 30-Year Linear
Power Output
Warranty | First Year: 1%
Subsequent Years: 0.4%



Comprehensive Product and System Certification

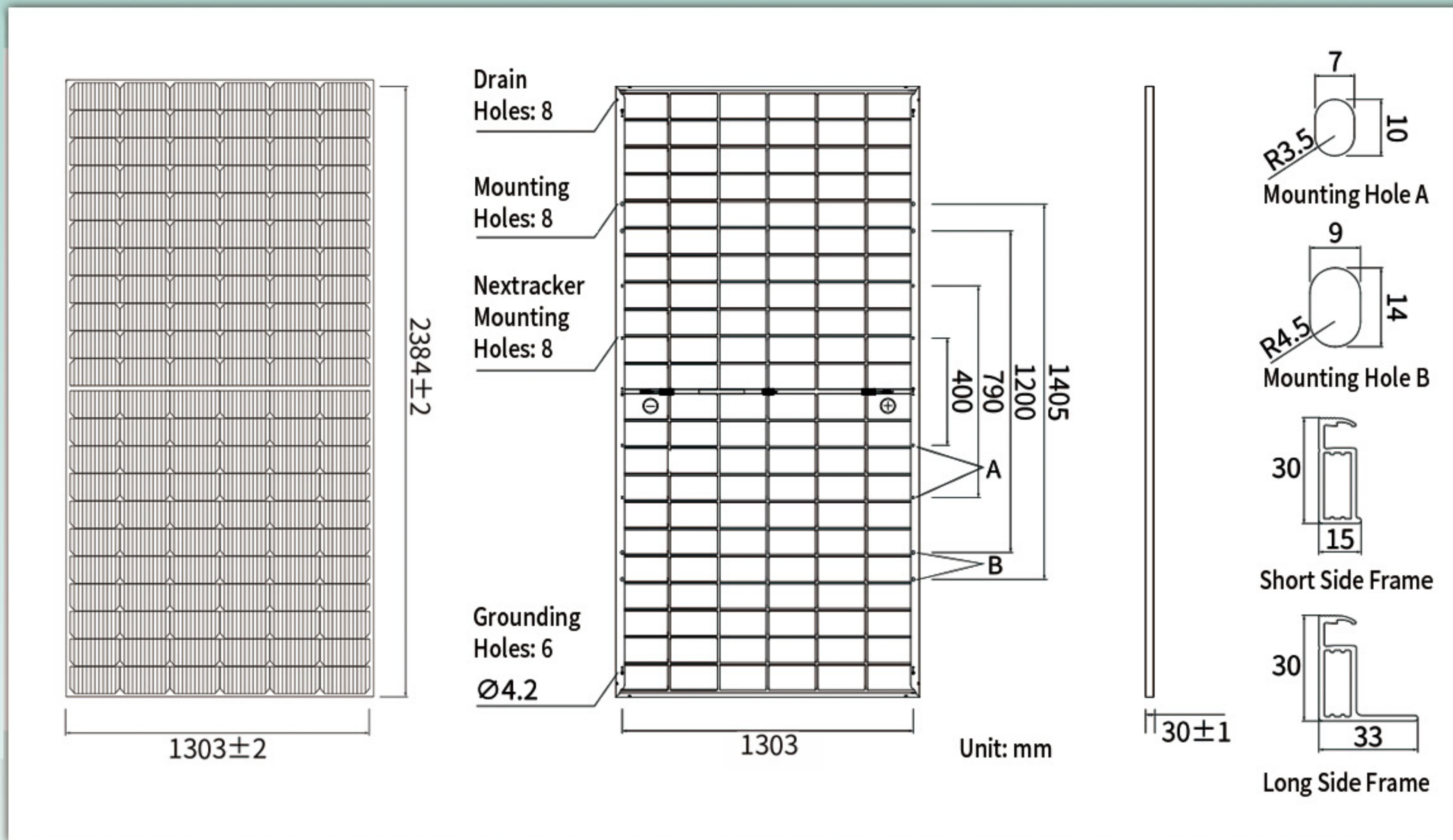
- IEC 61215, IEC 61730
- ISO9001:2015 Quality Management System
- ISO14001:2015 Environmental Management System
- ISO45001:2018 Occupational Health and Safety Management System
- IEC62941:2019 Terrestrial PV Module - PV Module Manufacturing Quantity System



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

Cell	Monocrystalline N-Type
Weight	36.6kg
Dimensions	2384±2mmx1303±2mm×30±1mm
Cable Cross-Sectional Area	4mm ² (IEC),12AWG(UL)
No. of cells	144(6×24)
Junction Box	IP68, featuring 3 diodes
Connector	QC4.10-351/MC4-EVO2A
Cable Length (Including Connectors)	300mm(+)/400mm(-)
Front Glass/Back Glass	2.0 mm/2.0 mm
Packaging Information	36 modules per pallet, 720 modules per 40HQ container

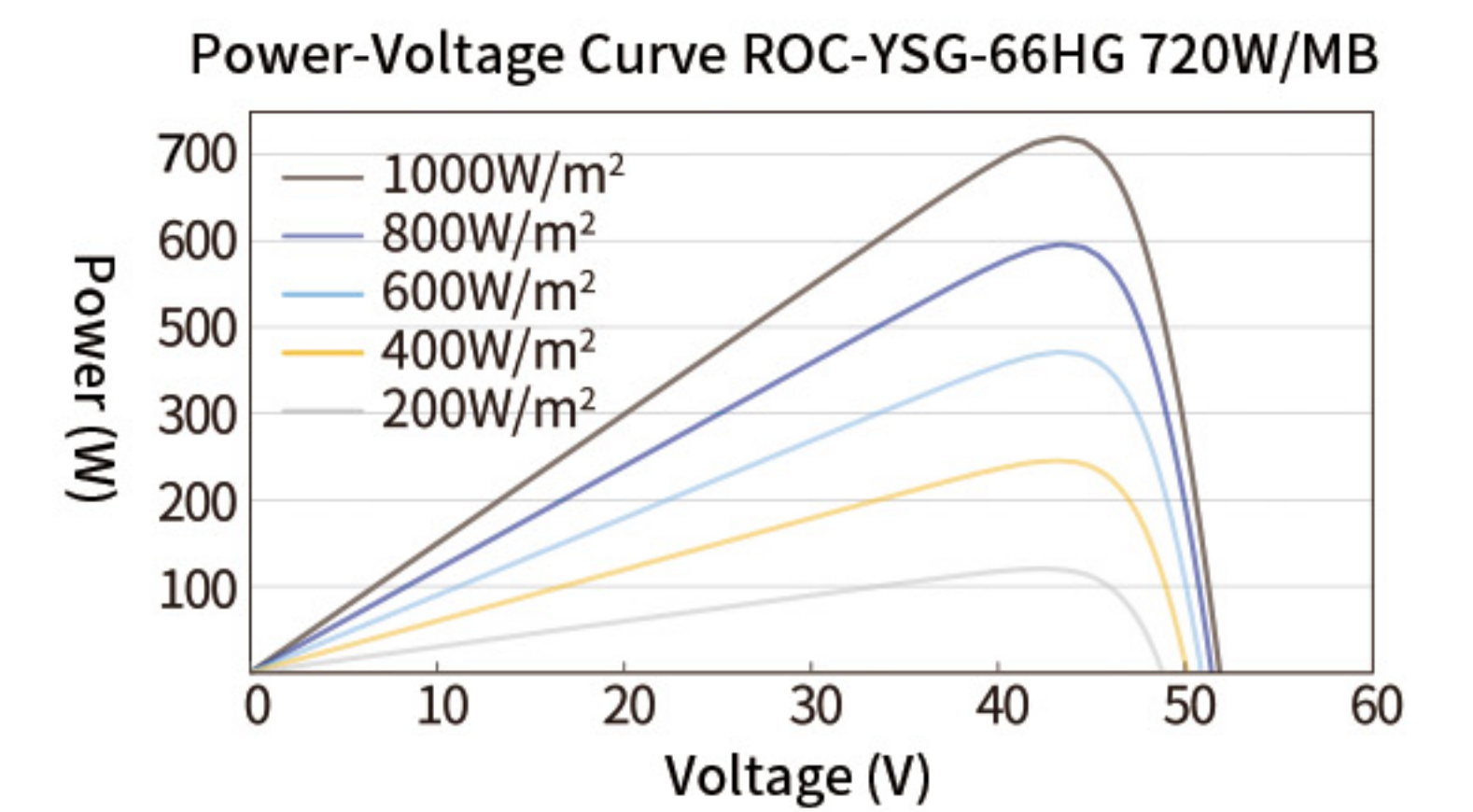
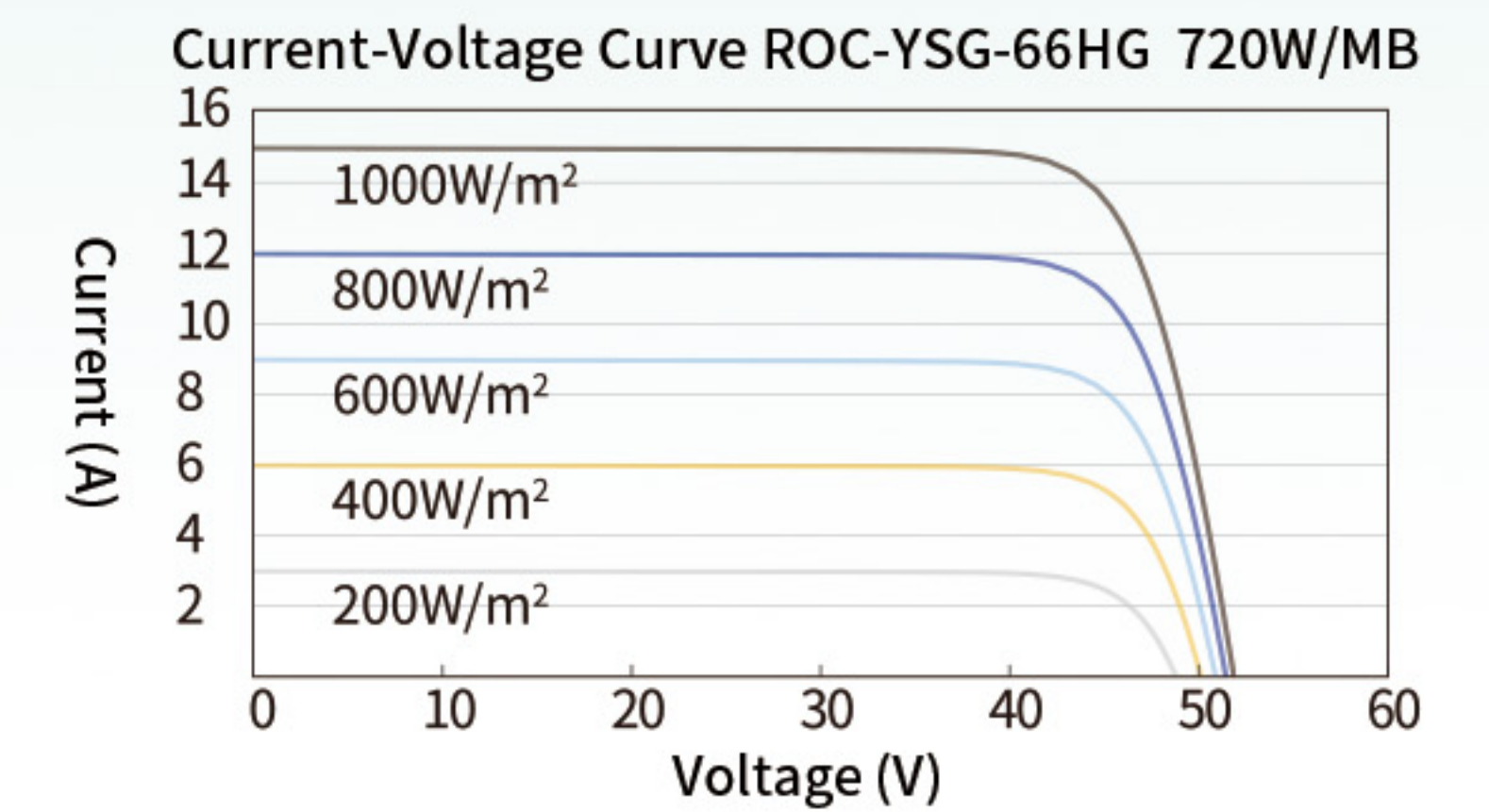
Note: Frame color and cable length can be customized upon request.

Electrical Performance Parameters (STC)

Model	ROC-YSG-66HG 690/MB	ROC-YSG-66HG 695/MB	ROC-YSG-66HG 700/MB	ROC-YSG-66HG 705/MB	ROC-YSG-66HG 710/MB	ROC-YSG-66HG 720/MB
Maximum Power (Pmax) [W]	690	695	700	705	710	720
Open Circuit Voltage (Voc) [V]	39.65	39.86	40.16	40.27	40.46	40.74
Operating Voltage at Maximum Power Point (Vmp) [V]	47.36	47.55	47.74	47.93	48.12	48.5
Short Circuit Current (Isc)[A]	17.4	17.44	17.47	17.51	17.55	17.63
Operating Current at Maximum Power Point (Imp) [A]	18.81	18.35	18.38	18.42	18.46	18.54
Module Efficiency [%]	22.2	22.4	22.5	22.7	22.9	23.3
Power Tolerance	0~+3%					
Short Circuit Current Temperature Coefficient (alsc)	+0.045%/°C					
Open Circuit Voltage Temperature Coefficient (BVoc)	-0.250%/°C					
Maximum Power Temperature Coefficient (γPmp)	-0.2909%/°C					
Standard Test Conditions (STC)	Irradiance: 1000 W/m ² ; 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



Electrical Performance Parameters under 10% Light Irradiation Intensity Ratio

Model	ROC-YSG-66HG 690/MB	ROC-YSG-66HG 695/MB	ROC-YSG-66HG 700/MB	ROC-YSG-66HG 705/MB	ROC-YSG-66HG 710/MB	ROC-YSG-66HG 720/MB
Maximum Power (Pmax) [W]	739.7	745	751	755.9	761.5	766.7
Open Circuit Voltage (Voc) [V]	39.45	39.65	39.86	40.06	40.27	40.46
Operating Voltage at Maximum Power Point (Vmp) [V]	18.75	18.79	18.84	18.87	18.91	18.95
Short Circuit Current (Isc)[A]	47.17	47.36	47.55	47.74	47.93	48.12
Operating Current at Maximum Power Point (Imp) [A]	19.73	19.77	19.82	19.85	19.89	19.94
Irradiation Intensity Ratio (Back/Front)	10%					

Application Conditions

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

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