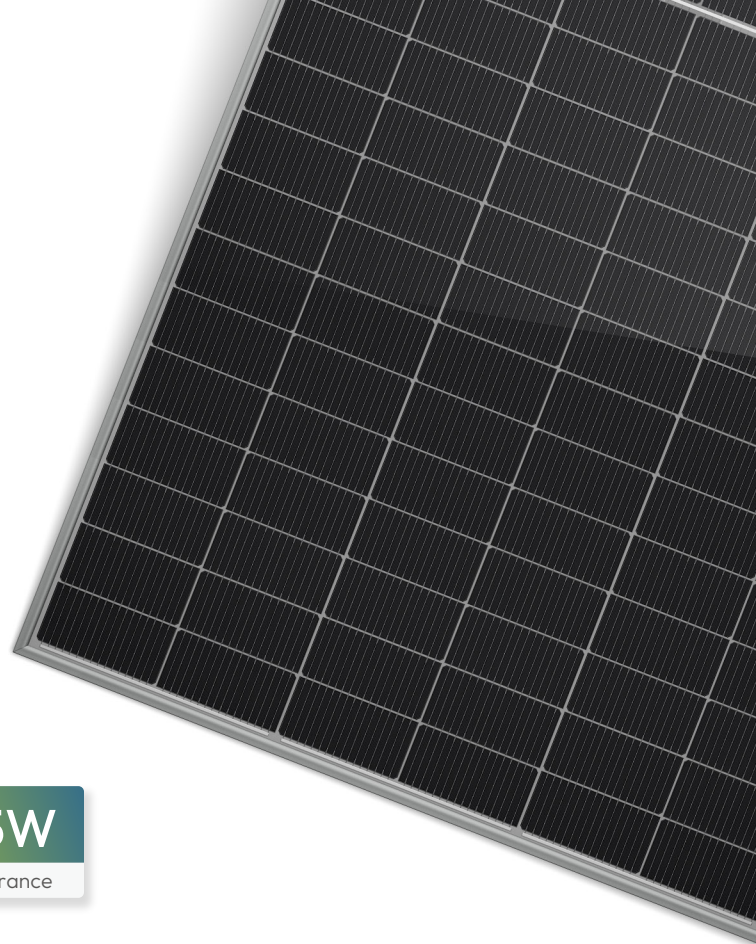


TY-N16-156HG

630-650W

N-Type Bifacial Modules



30Year
Linear Power Warranty

23.3%
Max. Efficiency

0~+5W
Power Tolerance



N-type Technology

N-type TOPCon modules feature lower LID/LeTID degradation and superior low-light performance.



HOT 3.0 Technology

N-type modules with JinkoSolar HOT 3.0 deliver higher reliability and efficiency.



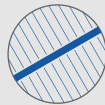
Dual-Sided Power Generation

Dual-sided power generation gain rises with backside light exposure, greatly lowering LCOE.



Mechanical Load Enhanced

Certified to withstand:
5400 Pa front side max static test load
2400 Pa rear side max static test load



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Anti-PID Guarantee

Optimized cell production and material control minimize PID-induced degradation.

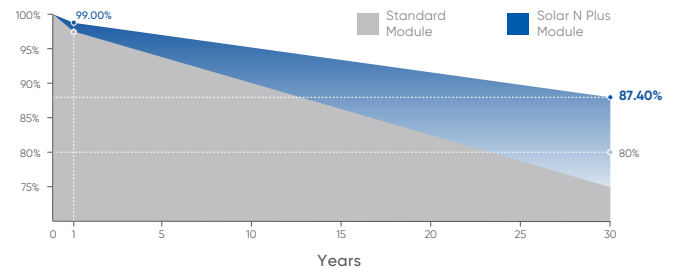
CERTIFICATION



IEC61215, IEC61730
ISO9001:2015 Quality Management System
ISO14001:2015 Environment Management System
ISO45001:2018 Occupational Health and Safety
IEC62941, IEC/TS62994

WARRANTY

12 Years Guarantee on product material and workmanship **30 Years** Linear power output warranty



630-650W

ELECTRICAL CHARACTERISTICS (STC) TY-N16-156HG

Maximum Power (Pm) W	630	635	640	645	650
Power Tolerance (W)	0~+5				
Maximum Power Voltage (Vm)	48.96	49.16	49.36	49.56	49.77
Maximum Power Current (Im)	12.87	12.92	12.97	13.02	13.06
Open Circuit Voltage (Voc)	57.05	57.25	57.45	57.65	57.85
Short Circuit Current (Isc)	13.60	13.65	13.70	13.75	13.79
Module Efficiency	22.5	22.7	22.9	23.1	23.3

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

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power (Pm) W	474	478	482	486	490
Maximum Power Voltage (Vm)	44.91	45.11	45.31	45.51	45.71
Maximum Power Current (Im)	10.56	10.60	10.64	10.68	10.72
Open Circuit Voltage (Voc)	53.94	54.14	54.34	54.54	54.73
Short Circuit Current (Isc)	10.96	11.00	11.04	11.08	11.12

NMOT: irradiance=800W/m², environment temperature=20°C, wind speed=1m/s

REAR SIDE POWER GAIN

5%	Max Power	662	667	672	677	683
	Efficiency	23.66%	23.85%	24.04%	24.23%	24.42%
15%	Max Power	725	730	736	742	748
	Efficiency	25.92%	26.12%	26.33%	26.54%	26.74%
25%	Max Power	788	794	800	806	813
	Efficiency	28.17%	28.40%	28.62%	28.84%	29.07%

MECHANICAL SPECIFICATIONS

External Dimension (L×W×H)	2465×1134×30mm
Weight	34kg
Number of Cells	156 (6×26)
Front Glass	2.0mm AR-coating heat-strengthened glass
Rear Glass	2.0mm heat-strengthened glass
Frame	Anodized aluminum alloy, silver color
Junction Box	IP68
Output Cables	4mm ² , 300mm or customized length
Connector	MC4 compatible

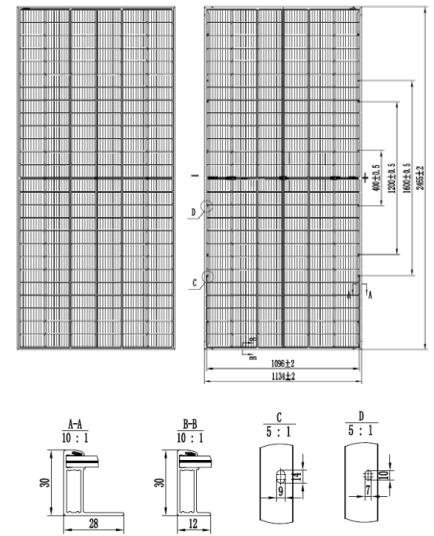
APPLICATION CONDITIONS

Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	25A
Operating Temperature	-40°C~+85°C
Mechanical Load	5400Pa/2400Pa
Hail Test	25mm diameter hail at 23m/s
Bifaciality	80±5%
Application Rating	Class A

TEMP CHARACTERISTICS

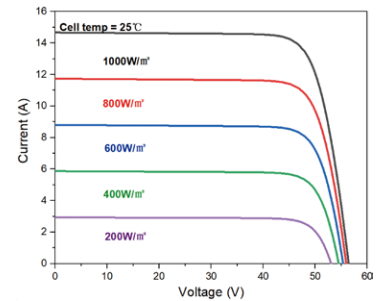
Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of ISC	0.045%/°C

TECHNICAL DRAWING

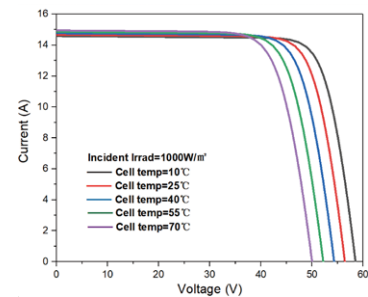


I-V CURVE

I-V characteristics at different irradiance



I-V characteristics at different temperatures



PACKING CONFIGURATION

Container	40'HC
Pieces per Pallet	37 pcs
Packaging box Size	2522×1145×1260mm
Pieces per Container	592 pcs

