

72 Cells

M10 MBB MONO TOPCON

45%

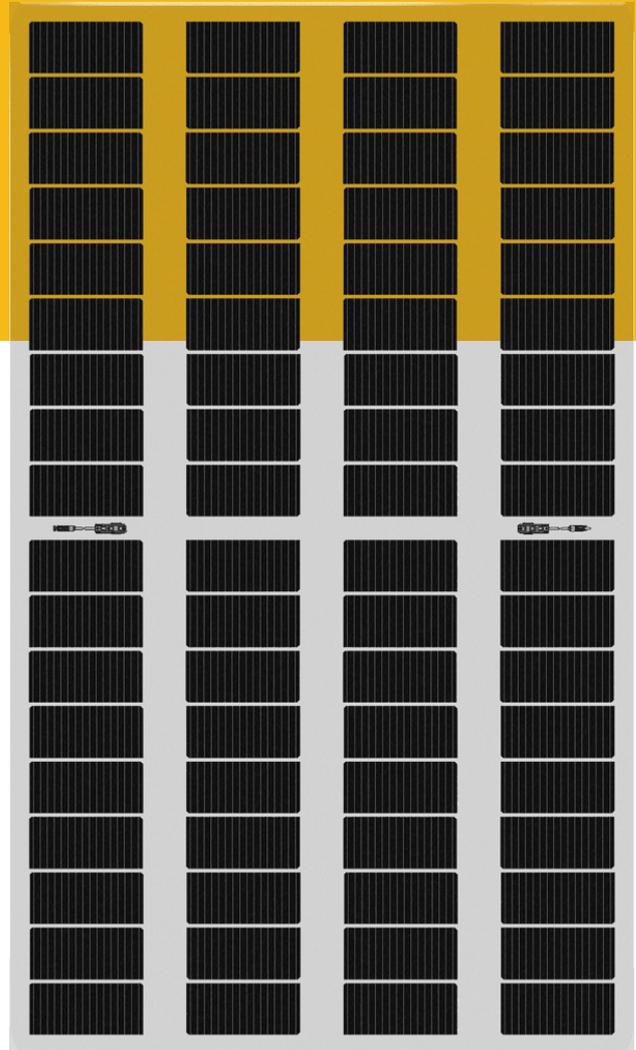
TRANSMITTANCE RATE

12.50%

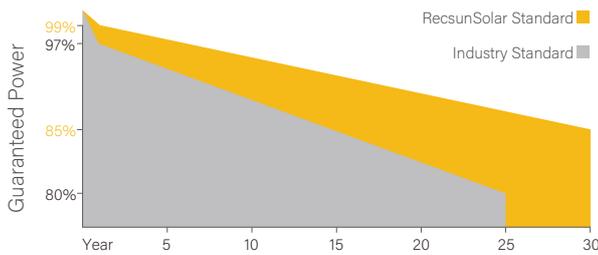
MAXIMUM EFFICIENCY

215W - 230W

- M10 HALF-CUT N-TYPE PV MODULE
- FRAMELESS HIGH TRANSMITTANCE



LINEAR PERFORMANCE WARRANTY



15 Years Product Warranty



30 Years Power Warranty

PRODUCT&QUALITY CERTIFICATIONS

IEC 61215, IEC 61730, IEC 61000

ISO 9001, ISO 14001, ISO 45001

POWER DEGRADATION

<1.0% for the First Year

<0.4% for the 2-30 Years

KEY FEATURES



Excellent Power Generation Performance

Excellent PID performance and excellent crack resistance, without any hidden dangers of snails.



Frameless Design

Less snow and dust accumulation, easy to clean and manage, and low operation and maintenance costs.



Excellent Appearance and Performance

Grade A Solar Cell, Symmetrical Design, Low Risk of Micro-crack.



Better Low Irradiance Performance

Higher Power Output even Under Low Irradiance Environments Such as on Cloudy or Foggy Days.



High Reliability

Secondard EL Inspection Ensures Zero Hidden Cracks and False Soldering During the Production Process.



Extensive Application Scenes

More Extensive Application Scenes, Such as BIPV, Snow Field, Vertical Installation, High Humidity, Strong Wind.

ELECTRICAL PARAMETERS

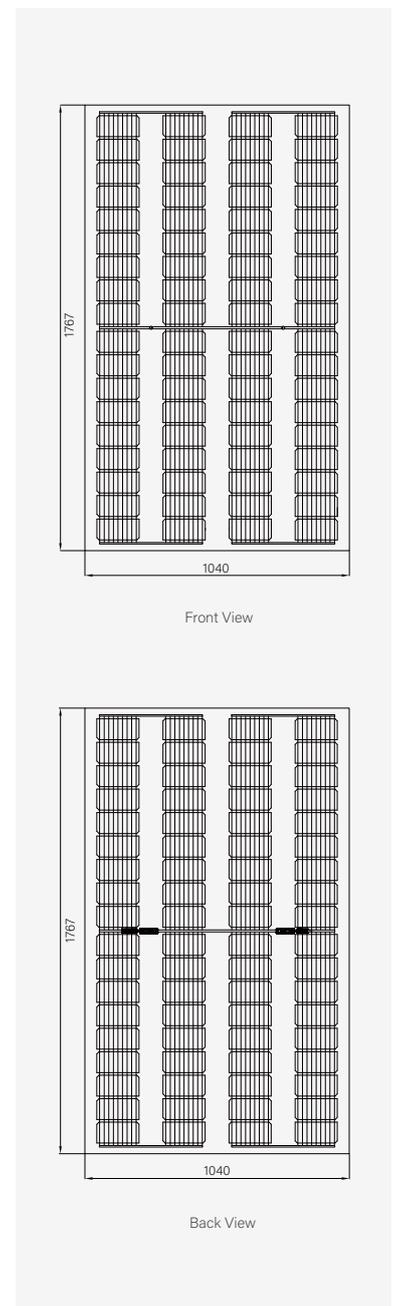
Module Type	RS-N215H72M10DG		RS-N220H72M10DG		RS-N225H72M10DG		RS-N230H72M10DG	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	215	161	220	164	225	168	230	172
Maximum Power Voltage(Vmp)	20.31	18.60	20.62	18.90	20.93	19.20	21.24	19.40
Maximum Power Current(Imp)	10.59	10.62	10.67	8.69	10.76	8.76	10.87	8.86
Open-Circuit Voltage(Voc)	24.63	23.00	24.95	23.30	25.13	23.50	25.27	23.60
Short-Circuit Current(Isc)	11.62	9.37	11.64	9.39	11.66	9.40	11.68	9.42
Module-Efficiency(%)	11.60%		11.90%		12.20%		12.50%	

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5, Average efficiency reduction of 4.5% at 200W/m². NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL PARAMETERS

Solar Cells	MBB MONO TOPCON 182*91mm
No. of Cells	72 [2 x (9 x 4)]
Module Dimensions	1767*1040*6mm
Weight	25kg
Glass	Front-2.5mm, Back-2.5mm
Encapsulant Material	EVA/POE
Backsheet	High Transmission, AR Coated Heat Strengthened Glass
Frame	No Frame
J-Box	IP68, Two Diodes
Cable	Photovoltaic Technology Cable 4.0mm ² , 350mm(customized)
Connector	MC4 Compatible

DIMENSION PARAMETERS



TEMPERATURE RATINGS

Nominal Operating Cell Temperature	45°C(± 3°C)
Temperature Coefficient of Pmax	-0.42%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	+0.04%/°C

OPERATING PARAMETERS

Operational Temperature	-40°C - +85°C		
Maximum System Voltage	1000/1500V DC		
Maximum Series Fuse Rating	20A		
Mechanical/Wind Load	5400/2400Pa		

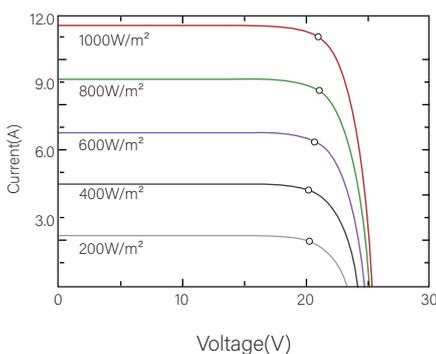
PACKAGING CONFIGURATION

PCS/Pallet: 38	
PCS/40' HC: 912	PCS/20' GP: 380

BACK SIDE POWER GAIN(For 230W)

Power Gain(%)	5%	10%	15%	20%
Max. Power(W)	242	253	265	276

I-V CURVES of PV MODULE(230W)



P-V CURVES of PV MODULE(230W)

