YH SUNPRO POWER

Tier1
BloombergNEF

210R TOPCon BIFACIAL

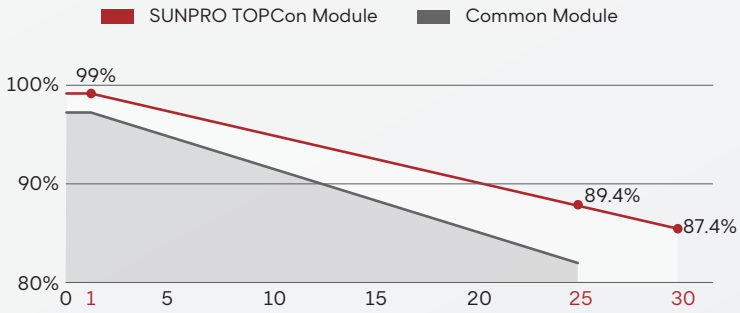
620-635W

High efficiency bifacial modules

Module effiency

23.51%

WITHSTAND STRONG | PID RESISTANCE | AUTOMATIC PRODUCTION | HIGH EFFICIENCY



WARRANTY

Quality Guarantee **25** years

Power Warranty **30** years

CERTIFICATE

ELECTRIC CHARACTERISTICS

SPDG (620/635W)-N132R12

Model of modules	SPDG620-N132R12		SPDG625-N132R12		SPDG630-N132R12		SPDG635-N132R12	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	620	469.30	625	473.5	630	477.6	635	481.7
Maximu power current (Vmp)	41.2	38.70	41.45	39	41.7	39.2	41.95	39.4
Maximu power current (Imp)	15.05	12.12	15.08	12.15	15.11	12.18	15.14	12.22
Open circuit voltage (Voc)	49.25	46.70	49.49	47	49.73	47.2	49.97	47.5
Short circuitcurrent (Isc)	15.92	12.82	15.96	12.85	15.99	12.88	16.03	12.91
Module efficiency	22.95%		23.14%		23.32%		23.51%	

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m^2 ,Cells Temperature25°C)
NMOT (Irradiance 800W/m^2, Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	713.00	718.75	724.50	730.25
Maximu power voltage (Vmp)	41.20	41.45	41.7	41.95
Maximu power current (Imp)	17.31	17.34	17.37	17.41
Open circuit voltage (Voc)	49.25	49.49	49.73	49.97
Short circuitcurrent (Isc)	18.31	18.35	18.39	18.43

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2382x1134x33mm
Weight	32.4kg
Cell	132 cells,N type Mono-Crystalline , 182.2mm×105 mm
Front glass	2.0mm , Anti-Reflection Coating
Back glass	2.0mm , Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68 , 3 bypass diodes
Output wire	4mm^2
Wire length	Line length 1300mm/customized
Connector	MC4 Compatible
Packing Specification	33 pcs/Pallet ; 660 pcs/40' HQ

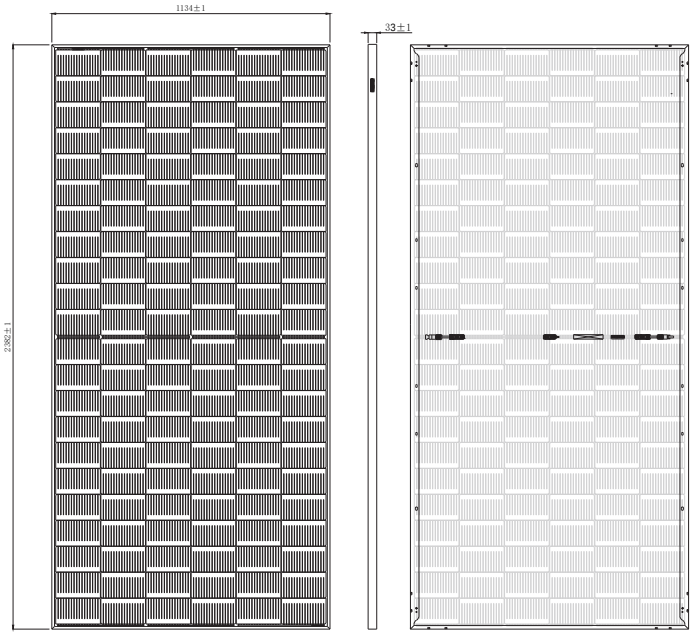
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

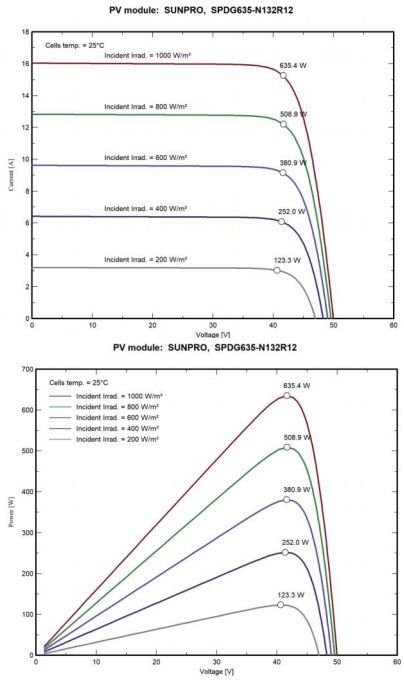
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.045% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION



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*The above parameters are for reference only, and the actual parameters of the factory shall prevail