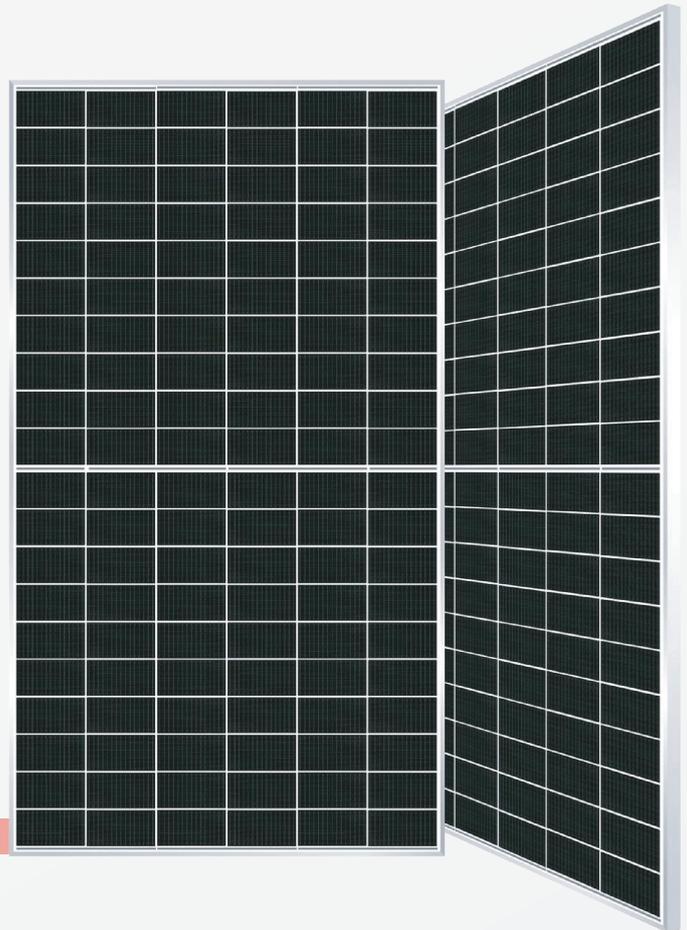


HJT 210 M12 HI-EFF BIFACIAL

630-650W

High efficiency bifacial modules

· Silver frame, White mesh



UTILITY

C&I

Module efficiency

22.97%



Better leveled cost of energy



Better high temperature stability

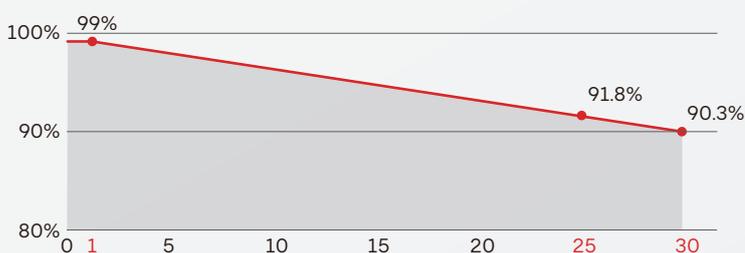


Improved low-light performance



Excellent bifacial performance

Linear performance guarantee for 30 years



WARRANTY

Quality Guarantee **15** years

Power Warranty **30** years

CERTIFICATE



Model of modules	SP630W-210-132DS		SP635W-210-132DS		SP640W-210-132DS		SP645W-210-132DS		SP650W-210-132DS	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	630.00	477.00	635.00	481.00	640.00	485.40	645.00	489.1	650.00	492.90
Maximum power voltage (Vmp)	38.03	36.00	38.19	36.10	38.35	36.30	38.51	36.50	38.67	36.60
Maximum power current (Imp)	16.57	13.26	16.63	13.31	16.69	13.37	16.75	13.41	16.81	13.46
Open circuit voltage (Voc)	45.3	43.00	45.48	43.20	45.65	43.40	45.82	43.60	45.99	43.70
Short circuit current (Isc)	17.37	13.98	17.43	14.03	17.49	14.08	17.55	14.12	17.61	14.17
Module efficiency	22.26%		22.44%		22.61%		22.79%		22.97%	

STC (Electrical parameters at standard test conditions. STC:AM=1.5, 1000W/m² ,Cells Temperature25°C)

NMOT (Irradiance 800W/m², Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

IRRADIANCE 800W/M², AMBIENT TEMPERATURE 20°C , AM1.5,WIND SPEED 1M/S

Front power Pmax/W	724.50	730.25	736.00	741.75	747.50
Maximum power voltage (Vmp)	38.03	38.19	38.35	38.51	38.67
Maximum power current (Imp)	19.05	19.12	19.19	19.26	19.33
Open circuit voltage (Voc)	45.30	45.48	45.65	45.82	45.99
Short circuit current (Isc)	19.97	20.04	20.11	20.18	20.25

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2172 × 1303 × 35/33mm
Weight	35.80kg
Cell	120cells(Half-Cell), HJT Mono , 210mm × 105mm-20BB
Glass	(F) 2.0mm ultra clear embossed semi-tempered coated glass (B) 2.0mm white mesh semi-tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68
Output wire	4mm ²
Wire length	1300mm
Connector	MC4 Compatible IP68
Packing Specification	31 pcs/Pallet ; 558 pcs/40' HQ

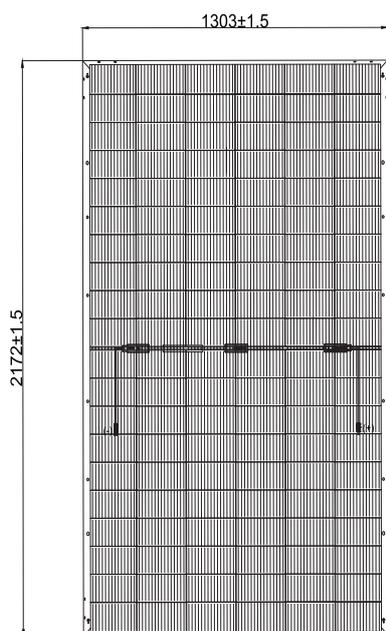
OPERATING PARAMETERS

Power tolerance (W)	(0~+3W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	35A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

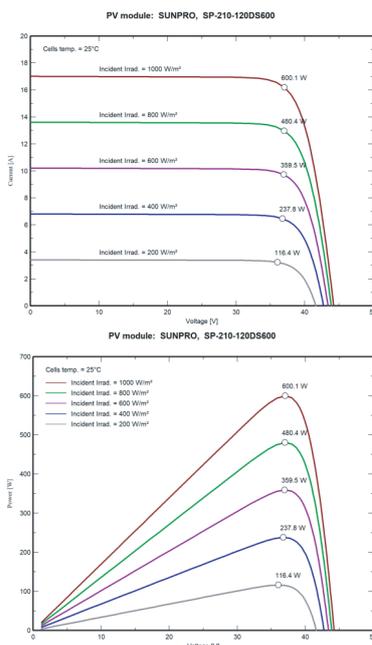
TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.04% / °C
Temp. Coeff. of Voc (TK Voc)	-0.24% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.24% / °C
Normal Operating Cell Temperature	44 ± 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