



Huge-solar

Radiance Series

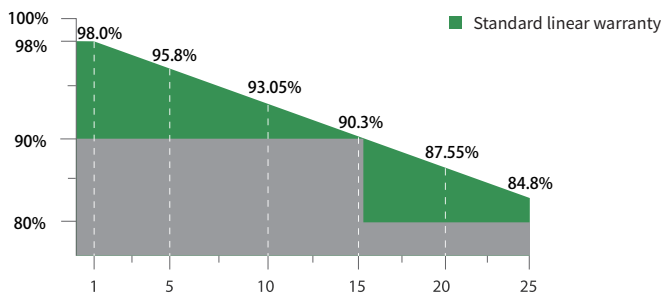
M182H672-520-555W

520-555W Mono

High power, high efficiency and low BOS & LCOE, PERC+ cell technology, combines nondestructive cutting 182mm large-size silicon wafer, and gapless ribbon connection technology, the modules can offer higher output with improved module efficiency. Half Cell design ensures less shading effect and lower resistive loss, lower risk of hot spot, as well as more reliable and stable power generation.



Linear performance Warranty



Linear performance warranty



Product warranty

Comprehensive Certificates

CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



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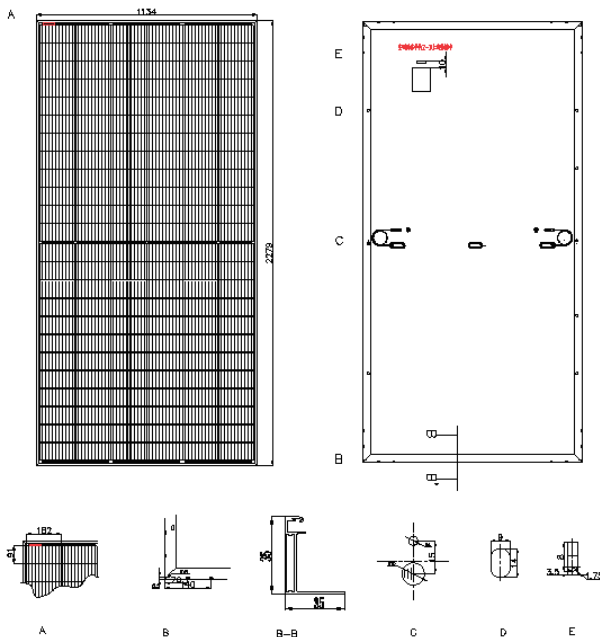
Electrical Specificatio																	
Module Type		M182H672-520W		M182H672-525W		M182H672-530W		M182H672-535W		M182H672-540W		M182H672-545W		M182H672-550W		M182H672-555W	
Test Standards		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	Pmax(W)	520	389.0	525	392.5	530	396.1	535	399.8	540	403.5	545	407.3	550	411.1	555	415.2
Maximum Power Voltage	Vmp(V)	41.09	38.29	41.26	38.45	41.43	38.61	41.60	38.77	41.76	38.92	41.93	39.08	42.10	39.24	42.27	39.40
Maximum Power Current	Imp(A)	12.65	10.16	12.72	10.21	12.79	10.26	12.86	10.31	12.93	10.37	13.00	10.42	13.06	10.48	13.12	10.54
Open Circuit Voltage	Voc(V)	48.90	46.21	49.10	46.40	49.30	46.59	49.50	46.78	49.70	46.97	49.90	47.16	50.10	47.32	50.30	47.48
Short Circuit Current	Isc(A)	13.34	10.83	13.43	10.90	13.52	10.97	13.61	11.04	13.72	11.13	13.81	11.20	13.90	11.26	13.99	11.32
Module Efficiency	(%)	20.12		20.31		20.51		20.70		20.89		21.09		21.28		21.47	
Power Output Tolerance	(W)	0±5															
Tolerance During Power Test	(%)	±3															

*(STC)*irradiance 1000W/m², Module Temperature 25 C, Air Mass 1.5
 *(NOCT)*irradiance 800W/m², Ambient Temperature 20 C, Wind Speed 1m/s

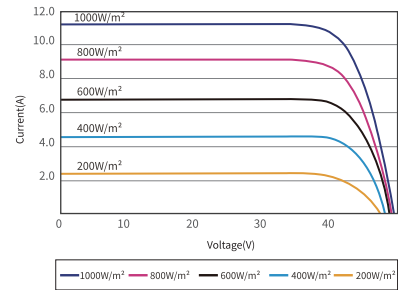
Mechanical Data	
Number of Cells	144Cells(6×24)
Dimensions of Module L*W*H (mm)	2279×1134×35mm
Weight (kg)	27kg
Glass	High transparency solar glass 3.2mm
Backsheet	white
Frame	anodized aluminium alloy
J-BOX	IP68, 3 diodes
Cable	4.0mm ² , 300mm or customized
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible
*For more details please check the installation manual	

Temperature Ratings	
Temperature Coefficient of Pmax	-0.350%/C
Nominal Operating Cell Temperature(NOCT)	44±2 C
Temperature Coefficient of Isc	+0.048%/C
Temperature Coefficient of Voc	-0.270%/C
Maximum Ratings	
Operational Temperature	-40 - +85 C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Packaging Configuration	
Module per box	31+31=62pieces
Module per 40'container	620pieces(35Frame)

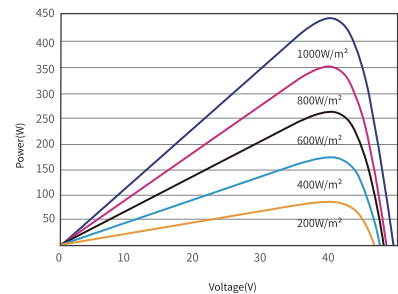
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(540W)



P-V CURVES OF PV MODULE(540W)