

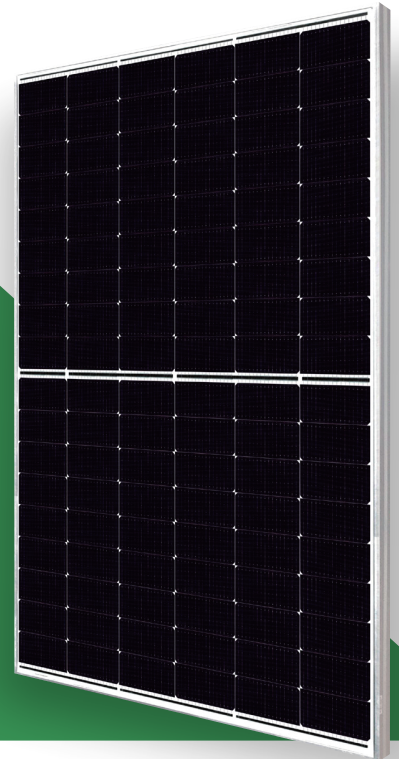


Huge-solar

Sparkle Series

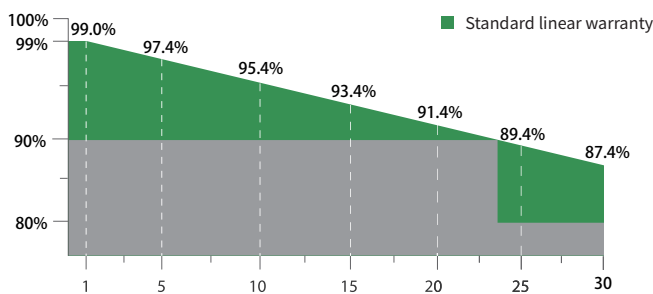
M182H654-DG-410-445W

410-445W Mono



Double glass and frame packaging to ensure module strength. Will produce more energy than a mono facial module with the same nameplate power. Topcon cell technology will get more efficiency. Bifacial module can convert light that strikes both the front face and the back face of the module into electricity. Under the same conditions, a bifacial module will produce more energy than a single-sided module with the same nameplate power.

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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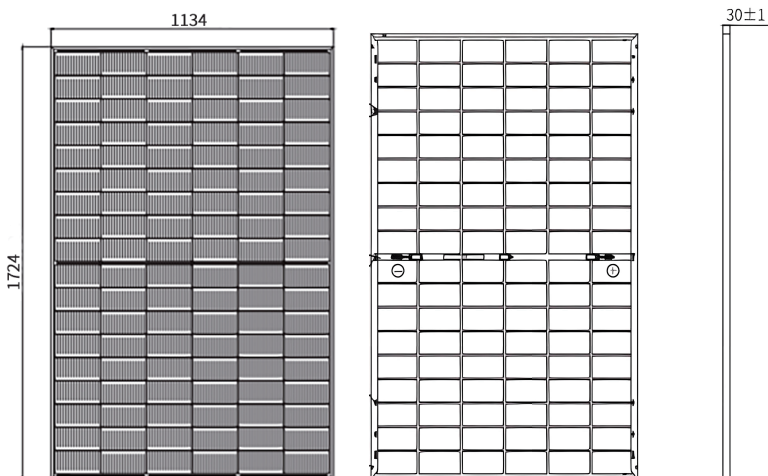
Electrical Specificatio																	
Module Type		M182H654-DG-410W		M182H654-DG-415W		M182H654-DG-420W		M182H654-DG-425W		M182H654-DG-430W		M182H654-DG-435W		M182H654-DG-440W		M182H654-DG-445W	
Test Standards		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	Pmax(W)	410	311	415	315	420	318	425	322	430	326	435	330	440	334	445	338
Maximum Power Voltage	Vmp(V)	31.5	29.6	31.7	29.8	31.9	30.0	32.1	30.2	32.3	30.3	32.5	30.5	32.7	30.7	32.9	30.9
Maximum Power Current	Imp(A)	13.05	10.52	13.11	10.57	13.17	10.62	13.24	10.67	13.32	10.74	13.39	10.82	13.46	10.88	13.53	10.94
Open Circuit Voltage	Voc(V)	37.5	35.8	37.7	36.0	37.9	36.2	38.1	36.4	38.3	36.6	38.4	36.8	38.6	37.0	38.8	37.2
Short Circuit Current	Isc(A)	13.85	11.15	13.92	11.21	13.98	11.27	14.05	11.33	14.12	11.38	14.18	11.44	14.25	11.49	14.32	11.54
Module Efficiency	(%)	20.97		21.23		21.48		21.74		21.99		22.25		22.51		22.76	
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	108Cells(6×18)
Dimensions of Module L*W*H (mm)	1724×1134×30mm
Weight (kg)	25kg
Glass	Double-sided glass 2mm
Frame	anodized aluminium alloy
J-BOX	IP68, 3 diodes
Cable	4.0mm ² , 300mm or customized
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible
Maximum power two-sided ratio	70±5%
*For more details please check the installation manual	

Temperature Ratings	
Nominal Operating Cell Temperature(NOCT)	42±2 C
Temperature Coefficient of Isc	+0.045%/C
Temperature Coefficient of Voc	-0.250%/C
Temperature Coefficient of Pmax	-0.300%/C
Maximum Ratings	
Operational Temperature	-40 - +85 C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Packaging Configuration	
Module per box	36+36=72pieces
Module per 40'container	936pieces(30Frame)

ENGINEERING DRAWINGS



IV CURVES

