



MONOCRYSTALLINE
SILICON HALF-CELL MODULE

H-530M~550M-144FK

- ☀️ Module efficiency up to 21.3%
- ☀️ Lower operating temperature
- ☀️ Excellent weak light performance
- ☀️ Extended wind and snow load tests
- ☀️ Withstanding harsh environment



15-year Warranty for materials and Processing



30-year Warranty for Linear Power Output



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WORKING PARAMETERS	-40~+85	DC1500 (IEC)	25	Class II
	Operating Temperature(°C)	Max. System Voltage(V)	Maximum Series Fuse Rating (A)	Application Class

ELECTRICAL PARAMETERS | STC* | STC:Irradiance 1000W/m, Module Temperature 25°C,AM1.5

Module Model	H-530M-144FK	H-535M-144FK	H-540M-144FK	H-545M-144FK	H-550M-144FK
Rated Max. Power(Pmax/W)	530	535	540	545	550
Power Tolerance	0~+5Wp				
Max. Power Voltage(Vmp/V)	41.39	41.57	41.75	41.87	42.05
Max. Power Current(Imp/A)	12.81	12.87	12.94	13.02	13.08
Open Circuit Voltage(Voc/V)	49.24	49.39	49.54	49.69	49.88
Short Circuit Current(Isc/A)	13.76	13.83	13.89	13.96	14.01
Module Efficiency(%)	20.5%	20.7%	20.9%	21.1%	21.3%

TEMPERATURE CHARACTERISTIC

Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.050%/°C
Nominal Module Operation Temperature	42±2°C

REAR SIDE POWER GAIN | Reference to 540M Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	567.0	621.0	675.0
Optimum Operating Voltage (Vmp/V)	41.8	41.8	41.9
Optimum Operating Current (Imp/A)	13.59	14.88	16.18
Open Circuit Voltage (Voc/V)	49.5	49.5	49.6
Short Circuit Current (Isc/A)	14.58	15.97	17.36
Module Efficiency (%)	21.9	24.0	26.1

MECHANICAL PARAMETERS

Cell Type	P Type Monocrystalline 182
Cell Orientation	144pcs (6*24)
Module Dimensions	2278mm*1134mm*30mm
Weight	32.0kg
Front / Back Glass	2.0+2.0 mm semi-tempered glass
Output Cables	4.0 mm , (-) 350 mm and (+) 160 mm in length or customized length
Junction BOX	IP68 rated (3 bypass diodes)
Refer. Bifaciality Factor	(70 ± 5)%
Max. Wind Load/Max. Snow Load	2400Pa/5400Pa
Packing Configuration	Packaging box dimensions (mm): 2310*1120*1255
	Packaging box weight (kg) : 1202
	36 Pieces per pallet 720 Pieces per container / 40 ' HC

SIZE | (单位: mm) Module Dimensions

