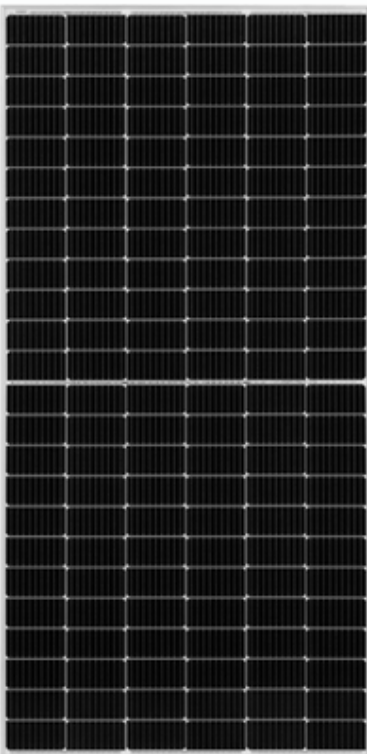




Kingdom Solar is the world's leading green energy manufacturer, committed to making clean energy illuminate every corner of the world. We strive to provide high-efficiency, high-quality and low-cost clean energy solutions. Kingdom solar insists on continuous innovation around customer needs. We invest heavily in technology research, and promotes green energy in the world. Contribute to the early realization of carbon peak and carbon neutrality

Top Quality Panel, 182MM Series!

Maximum Output Wattage **550W**, Positive Tolerance **0~+3W**, Highest efficiency **21.33%**



KEY FEATURES



Module efficiency up to 21.33%

Highest power brings lowest kilowatt-hour cost, highest lifetime generating capacity, simultaneously lowest annual power attenuation.



Anti
PID

PID Resistant

Excellent PID resistance test, and also can be improved to meet highest standards for the particularly harsh environment



Low-Light Performance

Excellent power generation performance under low-light conditions with MBB technology



Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress



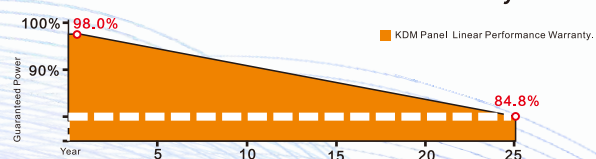
Strength and Durability

Certified for 5400Pa snow and 2400Pa loads test.

12+ Material & Workmanship warranty

25+ Linear power output warranty

KDM Panel Linear Performance Warranty



Module Type	KDM530-144HF		KDM535-144HF		KDM540-144HF		KDM545-144HF		KDM550-144HF	
Rated Maximum Power (Pmax) [W]	530	394	535	398	540	402	545	405	550	409
Maximum Power Voltage (Vmp) [V]	40.56	37.84	40.63	37.91	40.7	38.08	40.8	38.25	40.9	38.42
Maximum Power Current (Imp) [A]	13.07	10.42	13.17	10.5	13.27	10.55	13.36	10.6	13.45	10.65
Open Circuit Voltage (Voc) [V]	49.26	46.5	49.34	46.57	49.42	46.65	49.52	46.74	49.62	46.84
Short Circuit Current (Isc) [A]	13.71	11.07	13.79	11.14	13.85	11.19	13.94	11.26	14.03	11.33
Module Efficiency [%]	20.55		20.75		20.94		21.13		21.33	

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1m/s

Isc, Voc, Pmax CURVE

Cell Temperature (°C)	Isc (W)	Voc (W)	Pmax (W)
-50	125	120	95
-25	120	115	98
0	115	110	100
25	110	105	102
50	105	100	103
75	100	95	104
100	95	90	105

