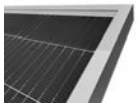
RLM10-144H **Series**

Reeco Logic solar HALF-CELL Monocrystalline PV Module

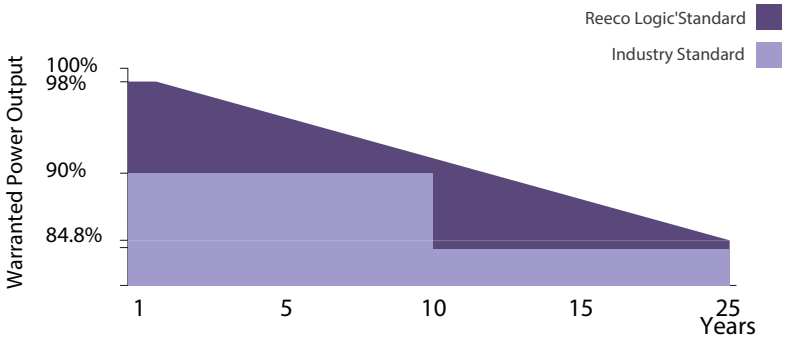


530W | 535W | 540W | 545W | 550W

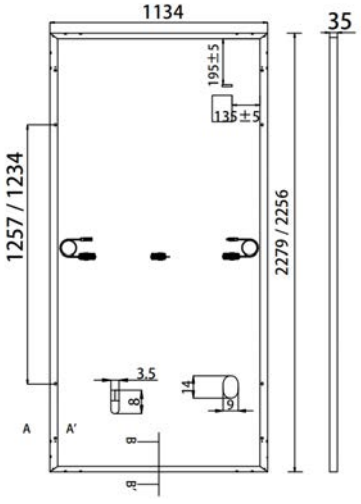
Made with selected materials and components to grant quality, duration, efficiency and through outputs, the RLM10-144H Monocrystalline modules by Reeco Logic solar(power output 530 up to 550Wp, represent a highly flexible solution for diverse installation types, from industrial rooftop plants to small home PV systems or large ground surfaces. This allows you to produce clean energy while reducing your energy bill.

Reeco Logic solar's RLM10-144H Monocrystalline solar modules are tested and approved by international acknowledged laboratories, so that we can offer our customers a reliable and price-quality optimized product.The linear warranty on product outputs further ensures increased security and return on investments over time.

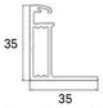
10 years product warranty/25 years output warranty



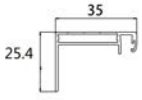
DIMENSION OF THE PV MODULE (mm)



Frame Cross Section A-A



Frame Cross Section B-B



MBB Cell

New circuit design, lower internal current, lower internal resistance loss.

PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.

Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV SÜD.

Higher Output Power

Module adopts 144 pcs of 182*182mm half cells,the maximum power can reach 550W.

Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV SÜD.

Low Light Features

Higher performance under low light environment.

RLM10-144H **Series**

Reeco Logic solar
monocrystalline PV Module

ELECTRICAL PROPERTIES | STC*

Module Type	RLM10-144H-530/M	RLM10-144H-535/M	RLM10-144H-540/M	RLM10-144H-545/M	RLM10-144H-550/M
Nominal Power Watt Pmax(W)	530	535	540	545	550
Power Output Tolerance Pmax(%)	0~+3	0~+3	0~+3	0~+3	0~+3
Maximum Power Voltage Vmp(V)	40.80	41.00	41.20	41.40	41.60
Maximum Power Current Imp(A)	13.00	13.05	13.11	13.17	13.23
Open Circuit Voltage Voc(V)	49.00	49.20	49.40	49.60	49.80
Short Circuit Current Isc(A)	13.78	13.81	13.87	13.93	13.99
Module Efficiency (%)	20.7	20.9	21.1	21.3	21.5

*STC (Standard Test Condition): Irradiance 1000W/㎡, Module Temperature 25℃, AM 1.5
*The data above is for reference only and the actual data is in accordance with the pratical testing

ELECTRICAL PROPETIES | NMOT*

Maximum Power Pmax(W)	395	399	402	406	410
Maximum Power Voltage Vmpp(V)	38.00	38.20	38.40	38.60	38.80
Maximum Power Current Impp(A)	10.40	10.44	10.49	10.54	10.58
Open Circuit Voltage Voc(V)	45.90	46.10	46.30	46.40	46.60
Short Circuit Current Isc(A)	11.09	11.13	11.18	11.23	11.28

*NMOT(Nominal module operating temperature):Irradiance 800W/㎡,Ambient Temperature 20℃,AM 1.5,Wind Speed 1m/s
*The data above is for reference only and the actual data is in accordance with the pratical testing

TEMPERATURE RATINGS

NMOT	45℃ ±2℃
Temperature coefficient of Pmax	-0.36%/℃
Temperature coefficient of Voc	-0.28%/℃
Temperature coefficient of Isc	0.05%/℃

WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40℃~+85℃
Maximum series fuse	25 A
Maximum load(snow/wind)	5400 Pa / 2400 Pa

MECHANICAL DATA

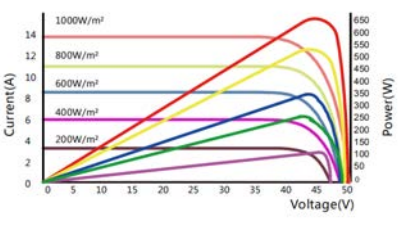
Solar cells	Mono 182
Cells orientation	144 (2×72)
Module dimension	2279×1134×35mm(1.5mm Cell Gap)
Weight	28 kg
Glass	High transparency,low iron,tempered Glass 3.2 mm (AR-coating)
Junction box	IP 68, 3 diodes
Cables	4 mm² ,300 mm
Connectors	MC4-compatible

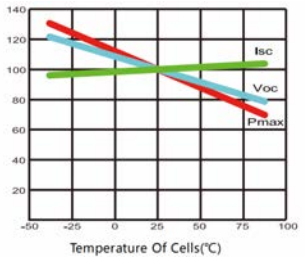
PACKAGING INFORMATION

Packing Type	40' HQ
Piece/Box	31
Piece/Container	620

COMPREHENSIVE CERTIFICATES

I-V CURVES OF THE PV MODULE





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