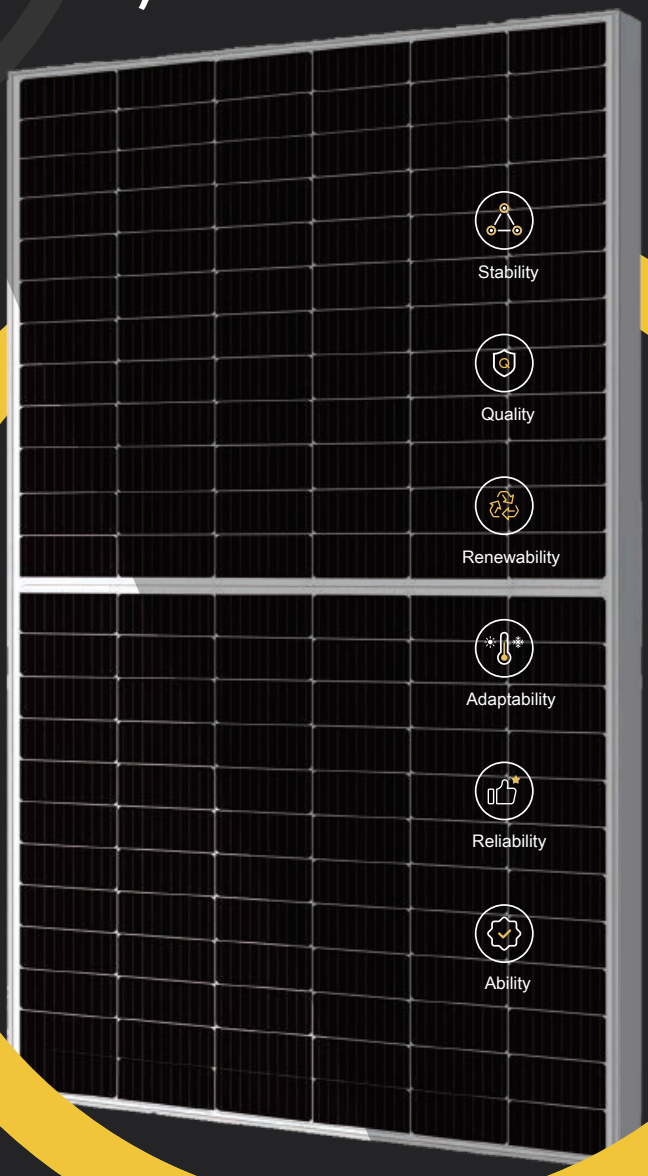
Mercury Series PV Panel

Mariner

SLB144M9-xxx(=530-550)

Half-cell Mono Module

2279*1134*35mm



Mariner,looking into the distance,
riding the wind and waves.

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty

25-Year Linear Power Warranty

SOLARBORN

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SLB144M9-xxx(=530-550)

Electrical Characteristics(STC*)

Power Output(Wp)	530	535	540	545	550
Max Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5
Module Efficiency(%)	20.50	20.70	20.90	21.10	21.30
Voltage Mpp-Vmpp(V)	41.28	41.51	41.70	41.92	42.11
Current Mpp-Impp(A)	12.84	12.89	12.95	13.00	13.06
Voltage Open Circuit-Voc(V)	49.61	49.87	49.95	50.04	50.28
Short Circuit Current-Isc(A)	13.66	13.72	13.78	13.84	13.90

* STC: Irradiance 1000W/m²,Environment Temperature 25℃，Air Mass AM1.5

Electrical Characteristics(NMOT*)

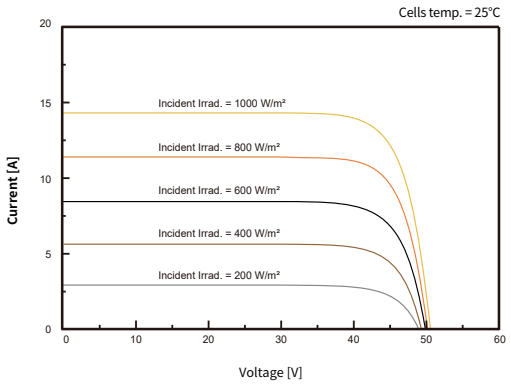
Power Output(Wp)	407.16	411.01	414.85	418.69	422.53
Voltage Mpp-Vmpp(V)	37.62	37.83	38.01	38.21	38.39
Current Mpp-Impp(A)	10.82	10.86	10.91	10.96	11.01
Voltage Open Circuit-Voc(V)	45.80	46.04	46.12	46.20	46.42
Short Circuit Current-Isc(A)	11.61	11.66	11.72	11.77	11.82

* NMOT: Irradiance 800W/m²,Environment Temperature 20℃，Air Mass AM1.5

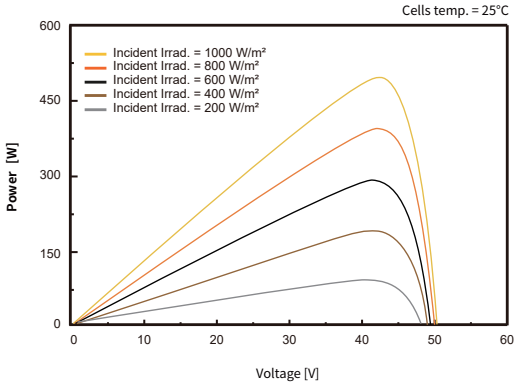
Mechanical Data

Dimension Of Module	2279*1134*35mm
Weight	27kg
Glass	High transmission glass 3.2mm
Cables	4mm²/300mm or Customized Length
Junction Box	IP68,3 Bypass-Diode
Connector	MC4 compatible
Max System Voltage	1500VDC
Max Series Fuse Rating	25A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40~+85

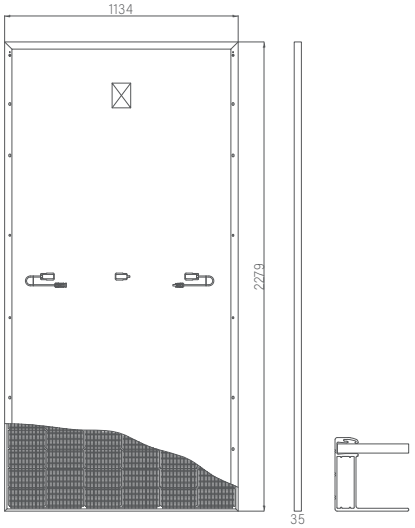
I-V Curves



P-V Curves



Module Back View



* Specifications included in this datasheet are subject to change without notice.

Temperature Ratings

Temperature Coefficients of Isc(%/C)	0.046
Temperature Coefficients of Voc(%/C)	-0.266
Temperature Coefficients of Pmpp(%/C)	-0.354
NMOT	45±2℃

Packaging Configuration

Package	31pcs/pallet
Container	40`HQ
Pieces Per Container	620