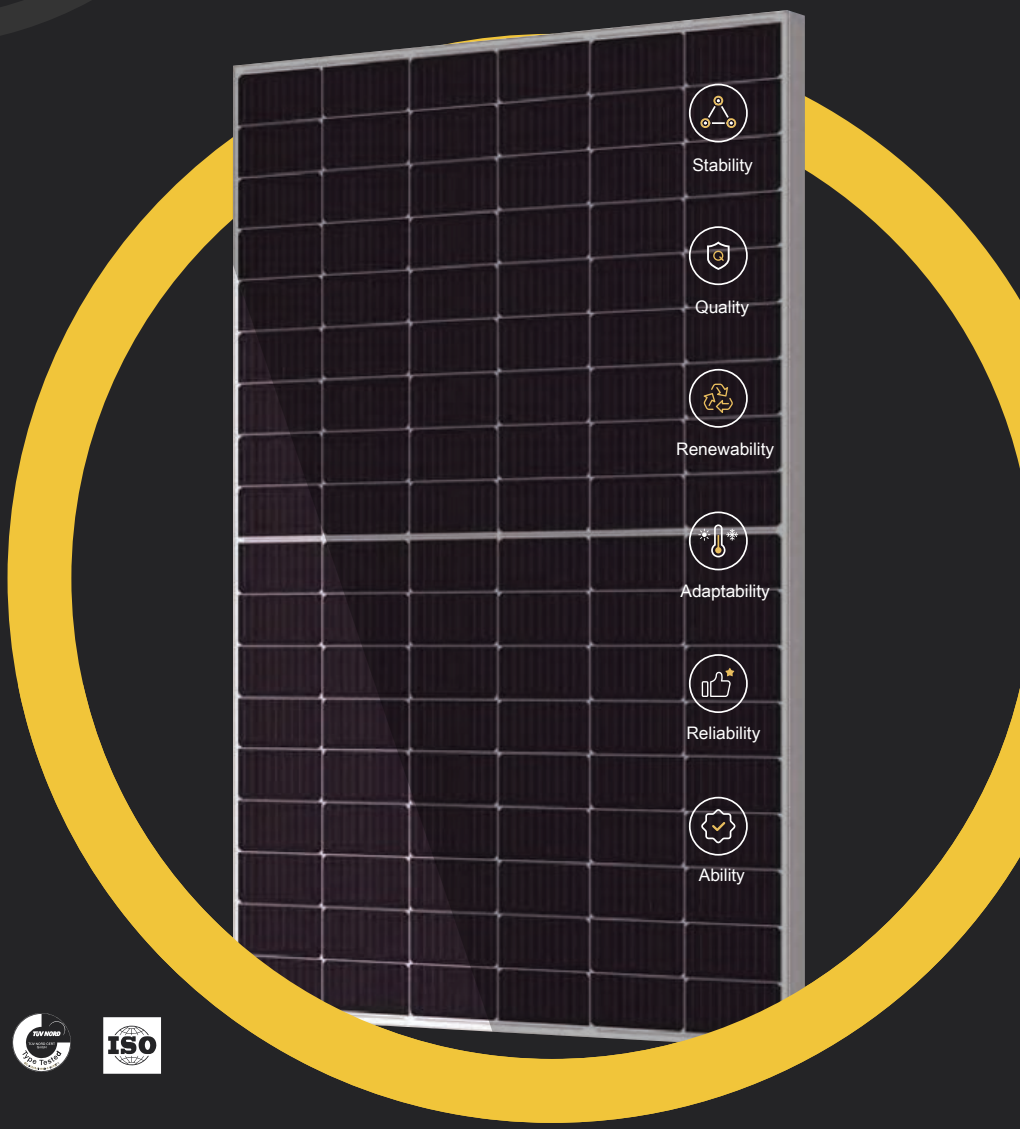
Mercury Series PV Panel

Mariner

SLB108M9-xxx(=390-410)

Half-cell Mono Module

1722*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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SLB108M9-xxx(=390-410)

Electrical Characteristics(STC*)

Power Output(Wp)	390	395	400	405	410
Max Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5
Module Efficiency(%)	19.90	20.20	20.50	20.70	21.00
Voltage Mpp-Vmpp(V)	30.59	30.76	30.98	31.23	31.44
Current Mpp-Impp(A)	12.75	12.84	12.91	12.97	13.04
Voltage Open Circuit-Voc(V)	36.67	36.91	37.10	37.33	37.58
Short Circuit Current-Isc(A)	13.63	13.71	13.80	13.87	13.94

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

Electrical Characteristics(NMOT*)

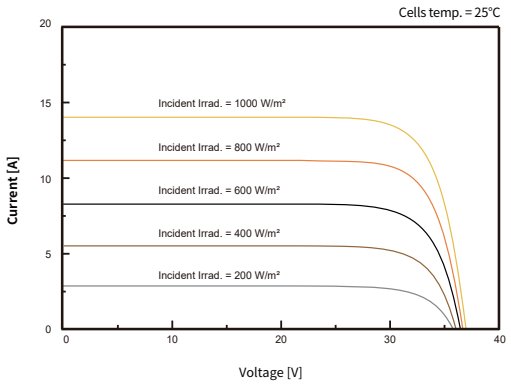
Power Output(Wp)	299.61	303.45	307.29	311.13	314.98
Voltage Mpp-Vmpp(V)	27.88	28.04	28.24	28.46	28.66
Current Mpp-Impp(A)	10.75	10.82	10.88	10.93	10.99
Voltage Open Circuit-Voc(V)	33.86	34.08	34.25	34.47	34.70
Short Circuit Current-Isc(A)	11.59	11.66	11.73	11.79	11.85

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

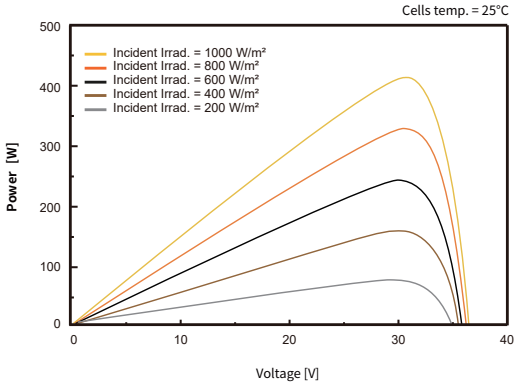
Mechanical Data

Dimension Of Module	1722*1134*35mm
Weight	19.5kg
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

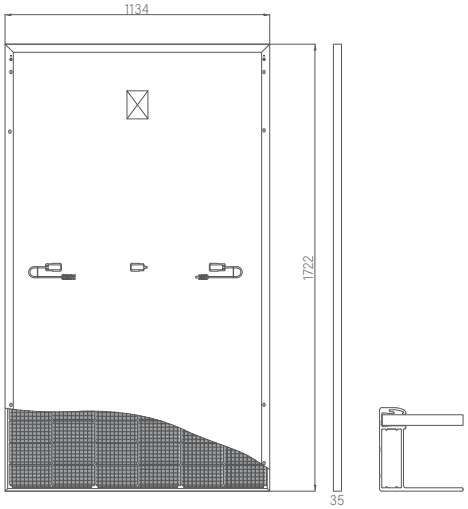
I-V Curves



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	806