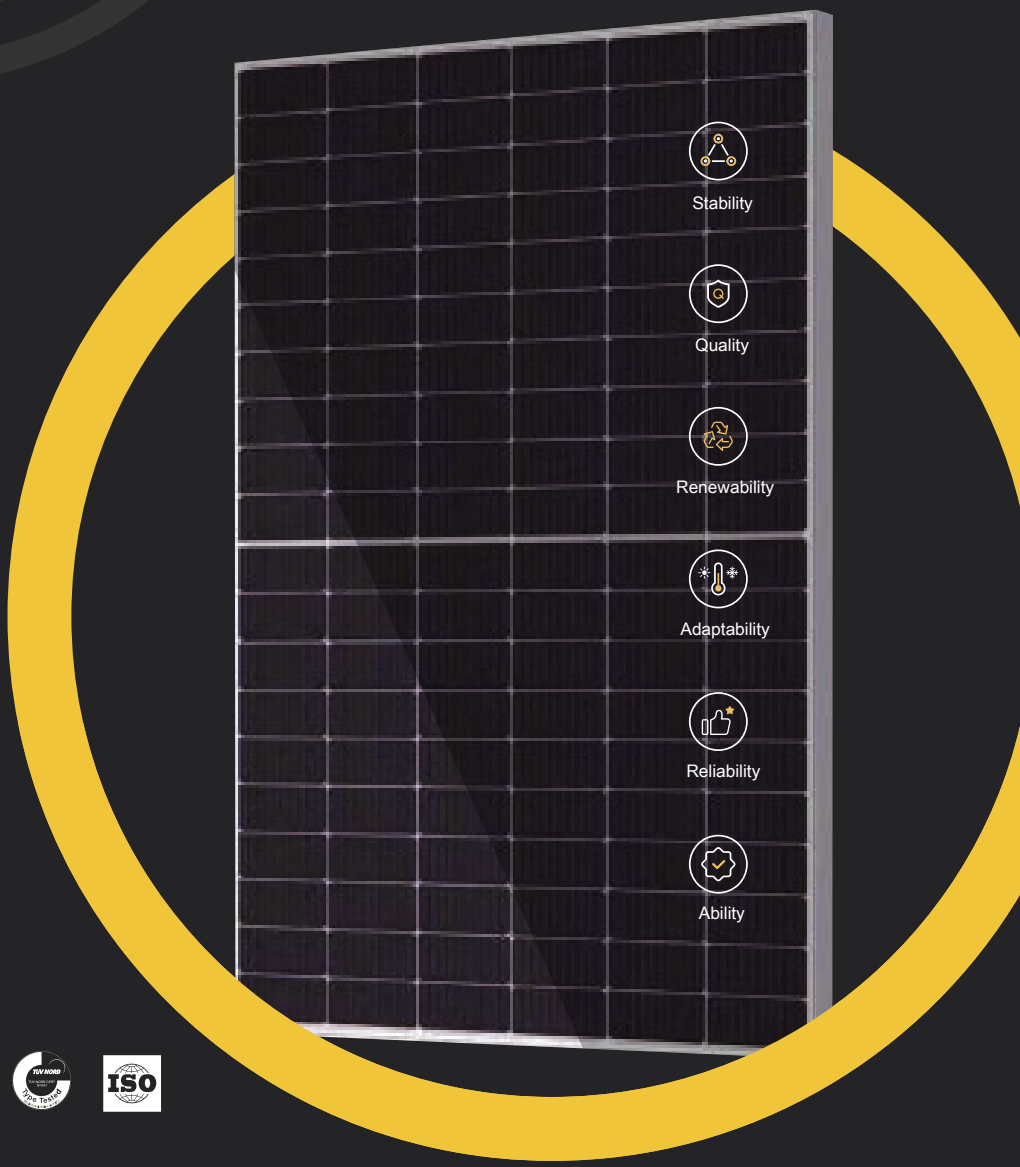
Mercury Series PV Panel

Mariner

SLB120M9-xxx(=435-455)

Half-cell Mono Module

1915*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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SLB120M9-xxx(=435-455)

Electrical Characteristics(STC*)

Power Output(Wp)	435	440	445	450	455
Max Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5	0~+5
Module Efficiency(%)	20.00	20.30	20.50	20.70	21.00
Voltage Mpp-Vmpp(V)	33.98	34.21	34.42	34.67	34.92
Current Mpp-Impp(A)	12.80	12.86	12.93	12.98	13.03
Voltage Open Circuit-Voc(V)	40.75	41.01	41.22	41.48	41.75
Short Circuit Current-Isc(A)	13.68	13.74	13.82	13.88	13.93

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

Electrical Characteristics(NMOT*)

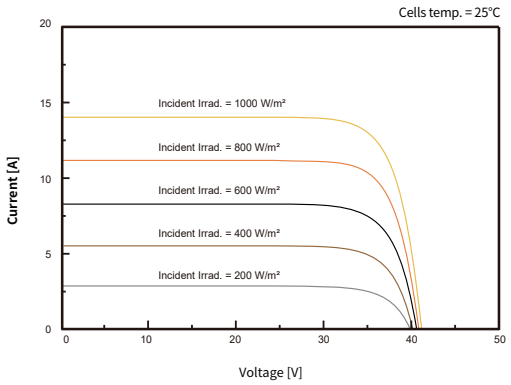
Power Output(Wp)	334.18	338.02	341.86	345.71	349.55
Voltage Mpp-Vmpp(V)	30.98	31.19	31.37	31.60	31.83
Current Mpp-Impp(A)	10.79	10.84	10.90	10.94	10.98
Voltage Open Circuit-Voc(V)	37.62	37.86	38.06	38.30	38.55
Short Circuit Current-Isc(A)	11.63	11.68	11.75	11.80	11.84

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

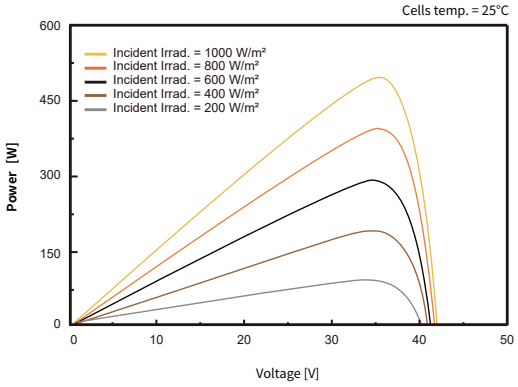
Mechanical Data

Dimension Of Module	1915*1134*35mm
Weight	21.5kg
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

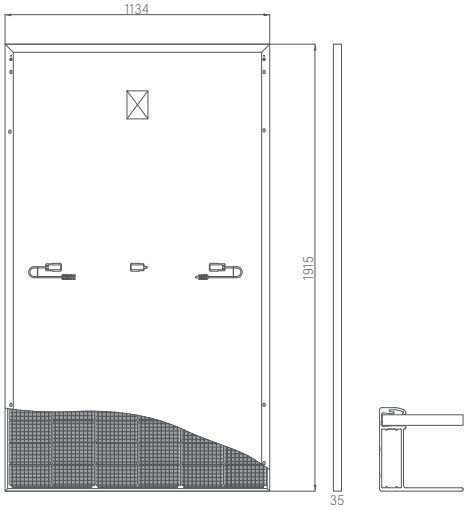
I-V Curves



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	744