Mercury Series PV Panel

Messager

SLB90M10-xxx(=435-450)

Half-cell Mono Module

1962*1096*35mm



Messager, rain or shine,
always hardworking for you.

LINEAR PERFORMANCE WARRANTY

12-Year Product Warranty

25-Year Linear Power Warranty

SOLARBORN

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SLB90M10-xxx(=435-450)

Electrical Characteristics(STC*)

Power Output(Wp)	435	440	445	450
Max Power Tolerance(W)	0~+5	0~+5	0~+5	0~+5
Module Efficiency(%)	20.20	20.50	20.70	20.90
Voltage Mpp-Vmpp(V)	25.26	25.49	25.71	25.92
Current Mpp-Impp(A)	17.22	17.26	17.31	17.36
Voltage Open Circuit-Voc(V)	30.48	30.73	30.98	31.22
Short Circuit Current-Isc(A)	18.25	18.31	18.36	18.42

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

Electrical Characteristics(NMOT*)

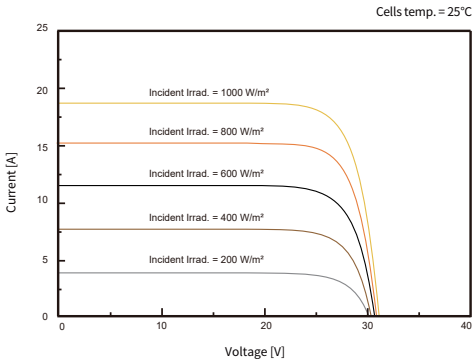
Power Output(Wp)	334.18	338.02	341.86	345.71
Voltage Mpp-Vmpp(V)	23.03	23.24	23.43	23.63
Current Mpp-Impp(A)	14.51	14.55	14.59	14.63
Voltage Open Circuit-Voc(V)	28.14	28.37	28.60	28.82
Short Circuit Current-Isc(A)	15.52	15.57	15.61	15.66

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

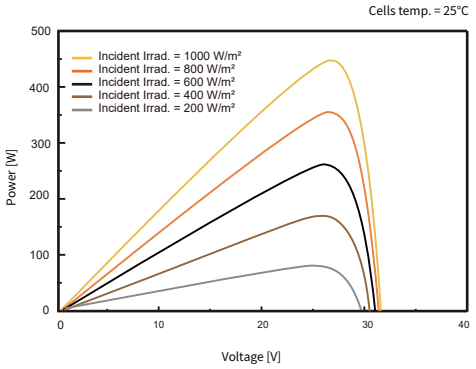
Mechanical Data

Dimension Of Module	1962*1096*30mm
Weight	23.5kg
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	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Operating Temperature	-40~+85

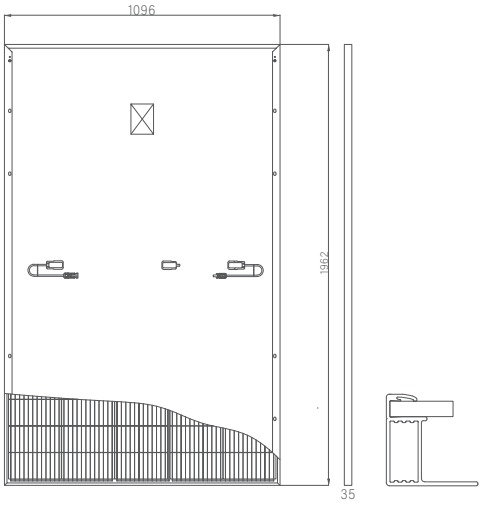
I-V Curves



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)	-0.345
NMOT	45±2℃

Packaging Configuration

Package	36pcs/pallet
Container	40`FT
Pieces Per Container	744