








**570~595W**

Aquaman series

**Mono SMBB TOPCon  
double glass solar panel**

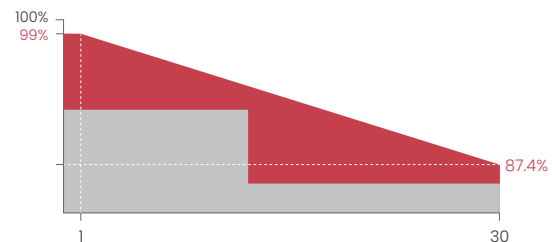
Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for distributed and centralized ground power stations.


**MODULE CHARACTER**


-  Exceptional PID Resistance
-  Salt mist resistance/Ammonia resistance /dust and hail resistance
-  Production process reliability test
-  0~+3% Positive Tolerance
-  Lower LID / LETID
-  Reduce BOS cost increase ROI
-  Non-destructive cutting
-  Double-sided electricity generation

**CERTIFICATION**

IEC61215/IEC61730  
ISO9001:Quality Management System  
ISO14001:Environmental Management System  
ISO45001:Occupational Health and Safety Management System



 Linear performance warranty

 Product warranty



### Electrical Characteristics(STC)

Maximum Power:Pmax[W]	570	575	580	585	590	595
Open Circuit Vlotage: Voc [V]	50.87	51.06	51.26	51.45	51.65	51.84
Short Circuit Current: Isc [A]	14.33	14.40	14.47	14.54	14.61	14.68
Voltage at Maximum Power: Vmp [V]	42.03	42.19	42.35	42.51	42.67	42.83
Current at Maximum Power: Imp [A]	13.57	13.63	13.70	13.77	13.83	13.90
Module Efficiency: η [%]	22.07	22.26	22.45	22.65	22.84	23.03

\*STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM=1.5, Power measurement tolerance: ±3%

### Electrical Characteristics(BNPI)

Maximum Power:Pmax[W]	631.56	637.1	642.64	648.18	653.72	659.26
Open Circuit Vlotage: Voc [V]	50.87	51.06	51.26	51.45	51.65	51.84
Short Circuit Current: Isc [A]	15.87	15.95	16.03	16.10	16.18	16.26
Voltage at Maximum Power: Vmp [V]	42.03	42.19	42.35	42.51	42.67	42.83
Current at Maximum Power: Imp [A]	15.03	15.10	15.17	15.25	15.32	15.39

\* BNPI: Front side irradiance 1000W/m<sup>2</sup>, Rear side irradiance 135W/m<sup>2</sup>, Cell Temperature=25°C, AM=1.5, Power measurement tolerance:±3%

### Electrical characteristics with different rear side power gain

<b>5%</b>	Maximum power:Pmax [W]	598.5	603.75	609	614.25	619.5	624.75
<b>15%</b>	Maximum power:Pmax [W]	655.5	661.25	667	672.75	678.5	684.25
<b>25%</b>	Maximum power:Pmax [W]	712.5	718.75	725	731.25	737.5	743.75

### Temperature Rating

Temperature Coefficient of Pmax	-0.26%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	+0.046%/°C

### Operating Parameters

Operating Temperature	-40°C ~ +70°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A
Power Output Tolerance	0 ~ +3%
Bifaciality coefficient of Pmax/Voc/Isc	80±5%/98±5%/80±5%

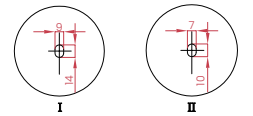
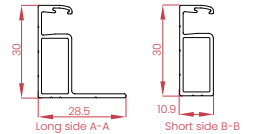
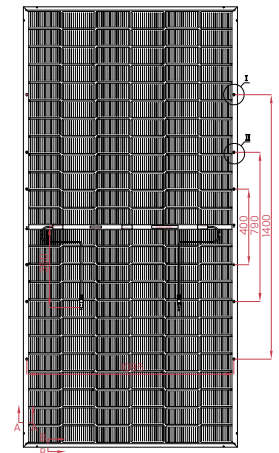
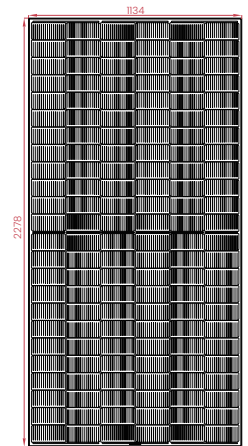
### Mechanical Parameters

Cell type	N-type Mono-Crystalline
Cell Orientation	144(6×24)
Front /Rear Glass	2.0mm AR coating semi tempered glass/2.0mm Semi tempered glass
Electrical Protection Class	Anodized aluminum alloy frame
Frame	Class II
IEC Fire Safety Class	Class C
Junction Box	IP68, 3 diodes
Cable&Connector	4mm, EVo2 or EVo2 compatible
Cable Length(Including Connector)	300mm or as customer's requirements
Maximum Static Test Load	5400 Pa (front) / 2400 Pa (rear)

### Packing Details

Dimension	2278×1134×30mm
Weight	31.3kg
Pallet Dimensions	2305×1130×1259mm
Packaging(Per pallet)	37pcs
Packaging	345 pcs/20'GP, 740 pcs/40'HC

### ENGINEERING DRAWINGS



### IV CURVES

