

# 535~550W

## M10 solar modules Aquaman series

Mono MBB perc large size half cut  
double glass module

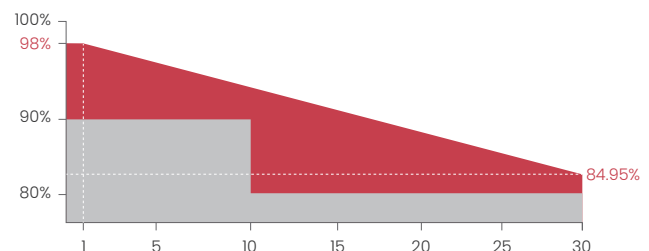
Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.

### MODULE CHARACTER

-  PID Resistance
-  Salt mist resistance/Ammonia resistance  
/dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  Mono MBB half cut
-  Reduce BOS cost increase ROI
-  Non-destructive cutting

### CERTIFICATION

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



Linear performance warranty



Product warranty

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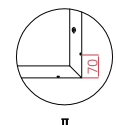
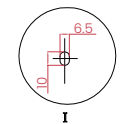
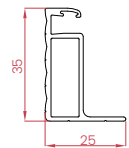
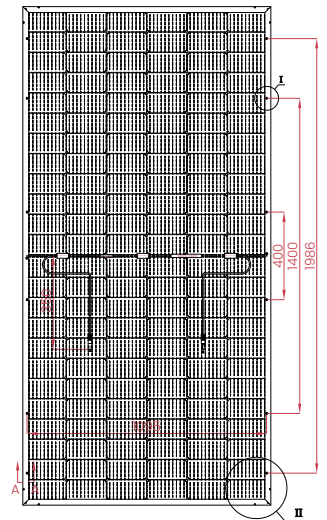
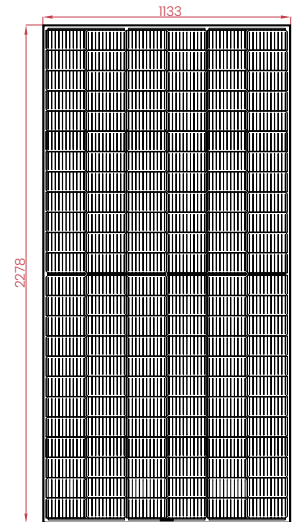
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⚠ If any update, Sunrise would not make further notice. Sunrise reserves the right of final interpretation.



## ENGINEERING DRAWINGS

Module Type	SR-72M535HLProD		SR-72M540HLProD		SR-72M545HLProD		SR-72M550HLProD	
Module Efficiency (%)	20.72		20.91		21.1		21.3	
Tolerance(W)	0~+5		0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	535	398.16	540	401.88	545	405.61	550	409.33
Open Circuit Voltage Voc(V)	49.14	46.39	49.30	46.54	49.46	46.69	49.61	46.83
Short Circuit Current Isc(A)	13.88	11.21	13.97	11.28	14.05	11.35	14.14	11.42
Maximum Power Voltage Vm(V)	40.57	37.75	40.7	37.87	40.83	37.99	40.96	38.11
Maximum Power Current Im(A)	13.19	10.55	13.27	10.61	13.35	10.68	13.43	10.74
Cell Type(mm)	MBB(Mono-Crystalline Silicon)							
Number of Cells(Pcs)	144(6×24)							
Maximum System Voltage(V)	DC1500							
Temp.Coeff.of Voc (%/°C)	-0.282							
Temp.Coeff.of Isc (%/°C)	0.05							
Temp.Coeff.of Pm (%/°C)	-0.348							
Operating Temperature (°C)	-40 to 85							
Nominal Operating Cell Temperature(NOCT) (°C)	45±2							
Max.Series Fuse (A)	25							
Pressure Bearing(Pa)	5400							
Wind Bearing (Pa)	2400							



STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5  
 NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

Different backside power gains(535W)	10%	15%	20%	25%
Peak Power Pmax(W)	588.5	615.25	642	668.75
Open Circuit Voltage Voc(V)	49.16	49.17	49.18	49.19
Short Circuit Current Isc(A)	15.27	15.96	16.65	17.34
Maximum Power Voltage Vm(V)	40.58	40.59	40.6	40.61
Maximum Power Current Im(A)	14.51	15.16	15.82	16.47

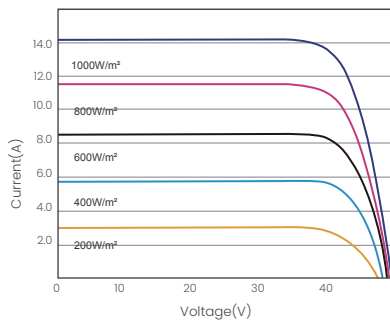
### MATERIAL DETAILS

Frame	Anodized aluminum	Glass	2×2.0mm Anti-Reflection Coating Heat Strengthened Glass
Cell	6×24pcs mono solar cell	Junction Box	Ip≥68, TÜV&UL
Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible	Net length of Cable	350mm or as customer's requirements

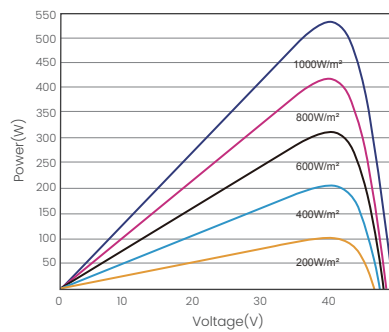
### PACKING DETAILS

Dimension	2278×1133×35mm	Weight	33.5kg
Loading Capacity	620pcs/40'HC	Packing	31pcs/pallet

### IV CURVES



I-V CURVES OF PV MODULE(545W)



P-V CURVES OF PV MODULE(545W)