



540w~560w

M10 solar modules Aquaman series
Mono MBB per large size half cut 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

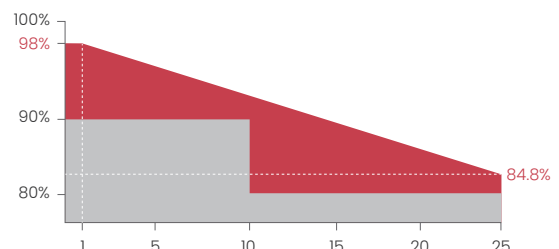
CERTIFICATION

IEC61215/IEC61730

ISO9001:Quality Management System

ISO14001:Environmental Management System

ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty



Module Type	SR-72M540HLPro		SR-72M545HLPro		SR-72M550HLPro		SR-72M555HLPro		SR-72M560HLPro	
Module Efficiency (%)	20.93		21.12		21.31		21.51		21.7	
Tolerance (W)	0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5		0 ~ +5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power P _{max} (W)	540	401.88	545	405.61	550	409.33	555	413.05	560	416.77
Open Circuit Voltage Voc(V)	49.34	46.58	49.5	46.73	49.65	46.87	49.81	47.02	49.97	47.17
Short Circuit Current I _{sc} (A)	13.96	11.27	14.04	11.34	14.13	11.41	14.21	11.47	14.29	11.54
Maximum Power Voltage V _m (V)	40.73	37.89	40.86	38.02	40.99	38.14	41.12	38.26	41.25	38.38
Maximum Power Current I _m (A)	13.26	10.60	13.34	10.67	13.42	10.73	13.5	10.80	13.58	10.86
Cell Type (mm)	MBB-182×91mm(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 I _{sc} (%/°C)	0.05									
Temp.Coeff.of P _m (%/°C)	-0.348									
Operating Temperature(°C)	-40 to 85									
Nominal Operating Cell Temperature(NOCT)	45±2									
Max.Series Fuse (A)	25									
Pressure Bearing (Pa)	5400									
Wind Bearing (Pa)	2400									

STC: Irradiance 1000W/m², Cell temperature 25°C, AML5
 NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

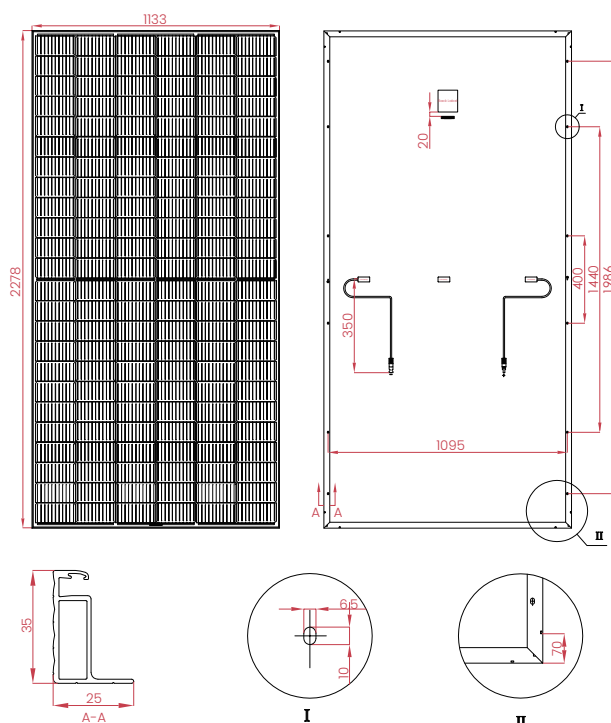
MATERIAL DETAILS

Frame	Anodized aluminum	Glass	Single glass, 3.2mm coated tempered glass
Cell	6×24pcs mono solar cell	Junction Box	IP≥68, TÜV & UL
Diode quantity	3	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Net length of Cable	350mm or as customer's requirements		

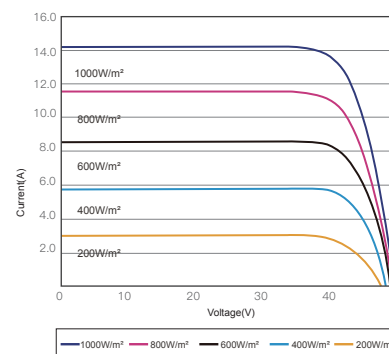
PACKING DETAILS

Dimension	2278×1133×35mm	Weight	28kg
Loading Capacity	620pcs/40HC	Packing	31pcs/pallet

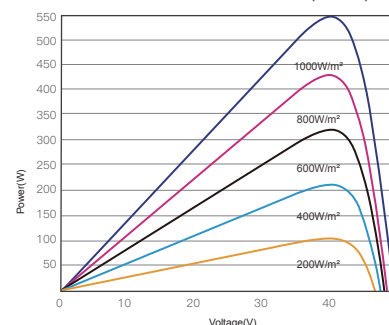
ENGINEERING DRAWINGS



IV CURVES



I-V CURVES OF PV MODULE(550W)



P-V CURVES OF PV MODULE(550W)