

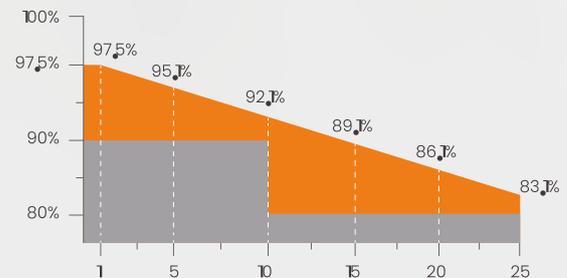


420w~430w
M10 solar modules Aquaman series
Mono MBB N-type
large size half cut
full black module

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.



Linear performance warranty



Product warranty

Certification

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



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



All black BIPV

Technical Data

Artikelnummer	9911056823S3		91105687	
Type	420W NHLPro Full black (30mm)		430W NHLPro Full black (30mm)	
Module Efficiency (%)	21.52		22.03	
Tolerance (W)	0 ~ +5		0 ~ +5	
Test Environment	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	420	316.8	430	324.4
Open Circuit Voltage Voc(V)	38.15	36.44	38.61	36.88
Short Circuit Current Isc(A)	14.08	11.37	14.24	11.49
Maximum Power Voltage Vm(V)	31.52	29.58	31.90	29.93
Maximum Power Current Im(A)	13.33	10.75	13.48	10.87
Cell Type (mm)	MBB-Mono-Crystalline Silicon			
Number of Cells (Pcs)	108(6×18)			
Maximum System Voltage (V)	DC1500			
Temp.Coeff.of Voc (%/°C)	-0.249			
Temp.Coeff.of Isc (%/°C)	0.045			
Temp.Coeff.of Pm (%/°C)	-0.3			
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	2400			

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1m/s

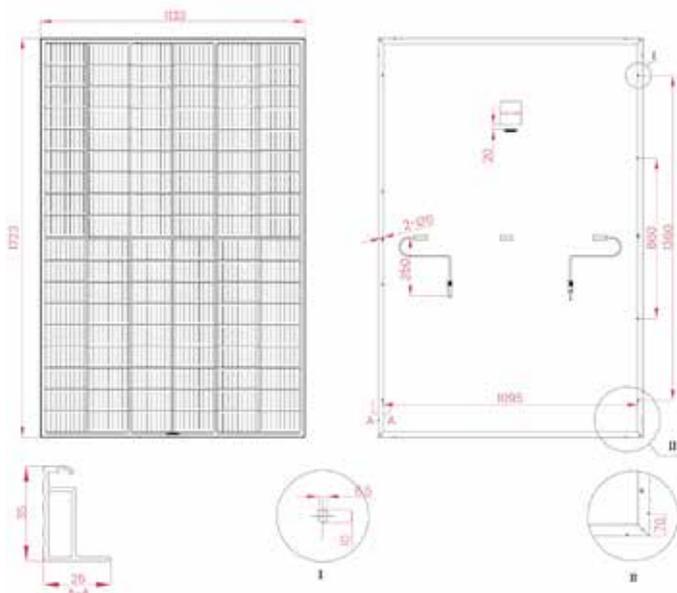
Material details

Frame	Anodized aluminum	Net length of Cable	350mm or as customer's requirements
Cell	6×18pcs mono solar cell	Junction Box	IP≥68, TÜV&UL
Diode quantity	3	Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable length	3.2mm Anti-Reflection Coating Heat Strengthened Glass		

Packing details

Dimension	1723×1133×30mm	Weight	20kg
Loading Capacity	936pcs/40HC	Packing	36pcs/pallet

Engineering drawings



Iv curves

