

Aquaman Series
M10 Mono Half Cell Module

DK-72MHLPro DK-72M530HLPro
530~550W DK-72M535HLPro
 DK-72M540HLPro
 DK-72M545HLPro
 DK-72M550HLPro

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



Higher Power Output



Better Low-light Performance



MBB Half Cut Cell With PERC Technology



less shading effect

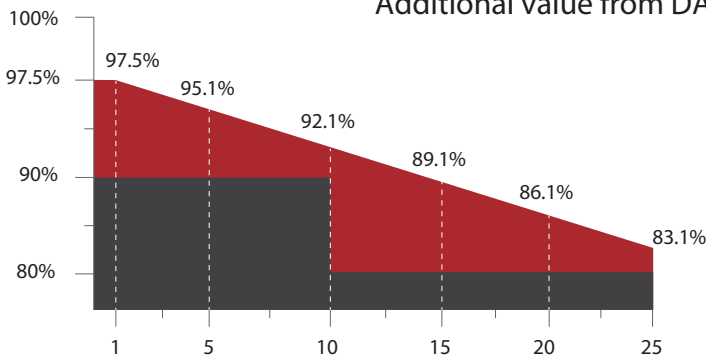


0~+5W Positive Tolerance



PID Resistance

Additional value from DATKEYS linear warranty



■ 25 year linear performance warranty from SUNRISE
■ Standard performance warranty

Better and Safer Insurance Services by CHUBB

CHUBB * Liability Insurance for Solar Power Products
* Liability Insurance for Errors or Omissions
Up to 2 millions USD (as attached details)

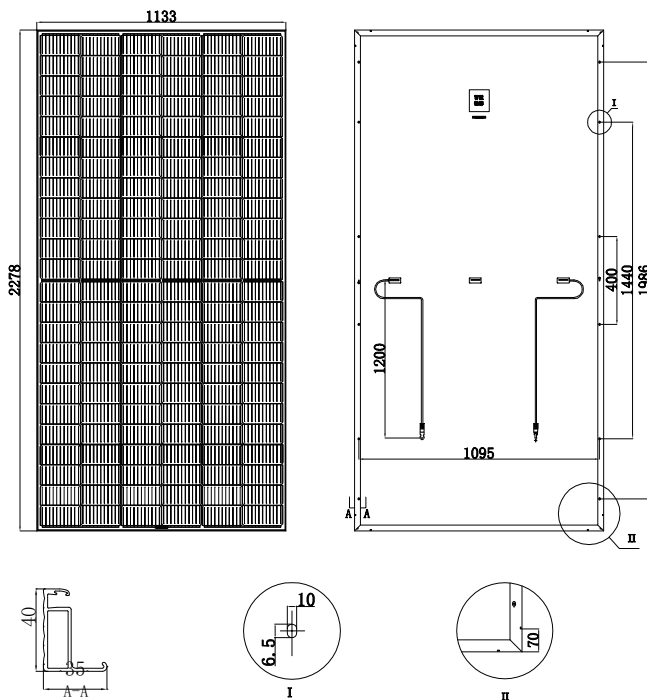


Module Type		DK-72M530HLPro		DK-72M535HLPro		DK-72M540HLPro		DK-72M545HLPro		DK-72M550HLPro	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Tolerance	(W)	0 ~ +5									
Module Efficiency	(%)	20.54		20.73		20.93		21.12		21.31	
Maximum Power	P _{max} (W)	530	394.44	535	398.16	540	401.88	545	405.61	550	409.33
Open Circuit Voltage	V _{oc} (V)	49.02	46.27	49.18	47.01	49.34	46.58	49.5	46.73	49.65	46.87
Short Circuit Current	I _{sc} (A)	13.79	11.14	13.87	11.20	13.96	11.27	14.04	11.34	14.13	11.41
Maximum Power Voltage	V _m (V)	40.47	37.65	40.6	37.77	40.73	37.89	40.86	38.02	40.99	38.14
Maximum Power Current	I _m (A)	13.1	10.48	13.18	10.54	13.26	10.60	13.34	10.67	13.42	10.73
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 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/m², Cell temperature 25°C, AM1.5

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

ENGINEERING DRAWINGS

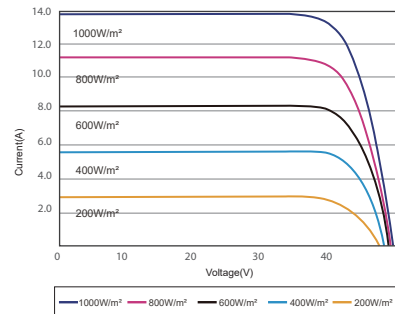


Manufactured in China

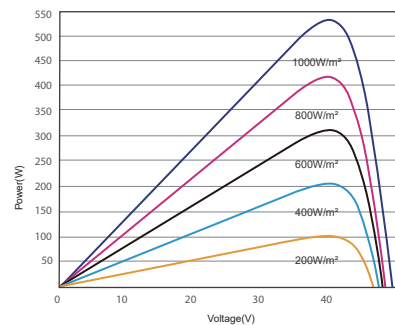
MATERIAL DETAILS

Frame	Anodized aluminum
Glass	3.2mm low-iron tempered suede glass
Cell	6×24pcs mono solar cell
Junction Box	IP ≥ 68, TÜV & UL
Diode quantity	3
Cable&Connector	4mm ² , EVO2 or EVO2 compatible
Cable length	1000mm or as customer's requirements

IV CURVES



I-V CURVES OF PV MODULE (540W)



P-V CURVES OF PV MODULE (540W)

PACKING DETAILS

Dimension	(mm)	2278×1133×35
Weight	(kg)	29
Loading Capacity		520pcs/40HC
Packing	pcs/pallet	26