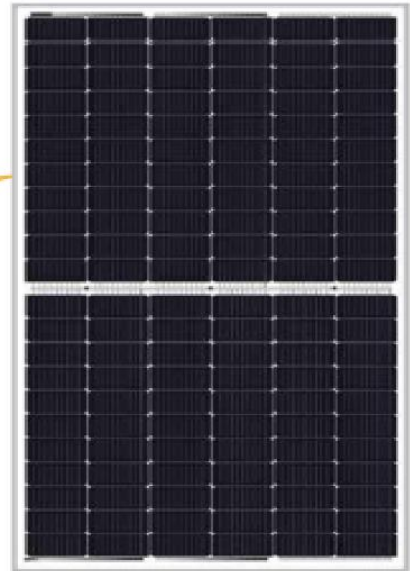




PLUS



DH-M166W 465-505W

Half-cut Mono PERC Module



Advanced processing techniques realize great module efficiency to a maximum of 21.3%, steady power output guaranteed



0~+5W Positive tolerance delivers higher output reliability



Excellent performance even under low-light settings, such as dawn, dusk and cloudy day

PID

Advanced cell technology and qualified materials lead to high resistance to PID

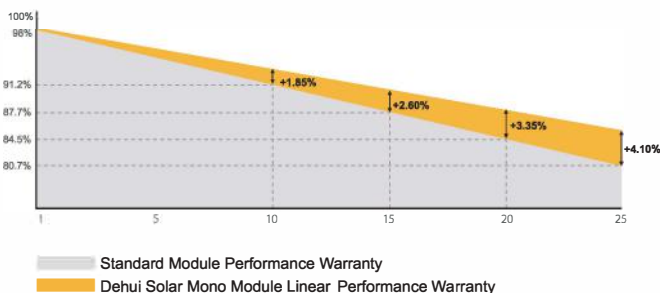


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

LINEAR PERFORMANCE WARRANTY



Product Material & Workmanship
12 YEAR WARRANTY

Linear Performance
25 YEAR WARRANTY



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DH-M166W 465-505W

Half-cut Mono PERC Module

ELECTRICAL PROPERTIES STC*		DH-M166W 465W	DH-M166W 470W	DH-M166W 475W	DH-M166W 480W	DH-M166W 485W	DH-M166W 490W	DH-M166W 495W	DH-M166W 500W	DH-M166W 505W
Peak Power (Pmax W)		465	470	475	480	485	490	495	500	505
MPP Voltage (Vmp V)		37.09	37.26	37.44	37.62	37.81	37.99	38.17	38.35	38.53
MPP Current (Imp A)		12.53	12.60	12.68	12.76	12.83	12.90	12.97	13.04	13.11
Open Circuit Voltage (Voc V)		44.68	44.81	44.94	45.07	45.20	45.33	45.46	45.59	45.72
Short Circuit Current (Isc A)		13.44	13.51	13.58	13.65	13.72	13.79	13.86	13.93	14.00
Module Efficiency (%)		19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.1	21.3
Power Tolerance		0~+5W								
Operating Temperature		-40°C ~ 85°C								
Maximum System Voltage		DC 1500V								
Maximum Series Fuse Rating		25A								

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES NOCT*		DH-M166W 465W	DH-M166W 470W	DH-M166W 475W	DH-M166W 480W	DH-M166W 485W	DH-M166W 490W	DH-M166W 495W	DH-M166W 500W	DH-M166W 505W
Peak Power (Pmax W)		346	350	353	357	361	365	368	372	376
MPP Voltage (Vmp V)		34.19	34.38	34.47	34.63	34.85	35.03	35.11	35.33	35.51
MPP Current (Imp A)		10.12	10.18	10.24	10.31	10.36	10.42	10.48	10.53	10.59
Open Circuit Voltage (Voc V)		42.18	42.30	42.42	42.55	42.67	42.79	42.91	43.04	43.16
Short Circuit Current (Isc A)		10.86	10.91	10.97	11.02	11.08	11.14	11.19	11.25	11.31

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m² Ambient Temperature 20°C AM 1.5 Wind Speed 1m/s

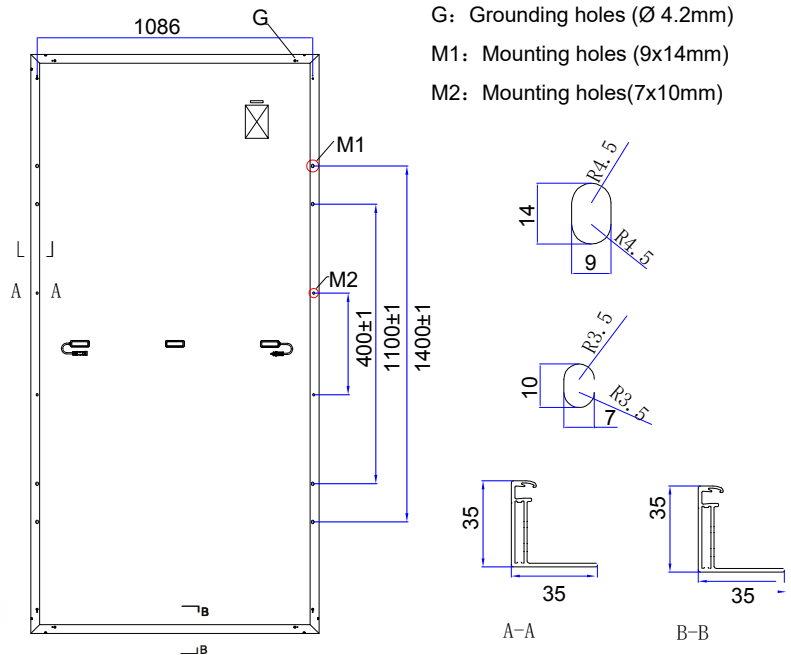
MECHANICAL PROPERTIES	
Cell Type	Mono cell(91x182mm)
Number of Cells	132(66*2) pcs
Dimension	2094x1134*35mm
Weight	26.3KG
Front Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0 mm ²
Fire Type(Rating)	UL Type 1 / IEC Class C
Length of Cable	300mm or can be customized

TEMPERATURE COEFFICIENT	
Temp. Coeff. of Pmax (Tk Pmax)	- 0.35% / °C
Temp. Coeff. of Voc (Tk Voc)	- 0.28% / °C
Temp. Coeff. of Isc (Tk Isc)	0.048% / °C

PACKING	
Pallet	31pcs
40'HC	682pcs

The specifications and key features contained in this datasheet maybe changed, modified or updated at any time under sole discretion of Dehui, without further notice to the user, due to the on-going research and development efforts and continuous product improvement processes employed at the factory. Therefore, Dehui reserves the right to make any adjustment to the information contained herein. It is the responsibility of the user of datasheet to obtain the latest, current revision - matching to the correct Dehui product - that the user has purchased or intends to purchase

ENGINEERING DRAWING (unit: mm)



I-V CURVES

Current-Voltage & Power-Voltage Curves(495W)

