



PLUS



DH-M160W 440-460W

Half-cut Mono PERC Module



Advanced processing techniques realize great module efficiency to a maximum of 21.32%, 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

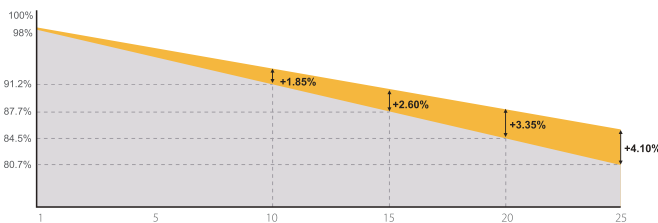


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



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

LINEAR PERFORMANCE WARRANTY



Standard Module Performance Warranty
 Dehui Solar Mono Module Linear Performance Warranty

Product Material & Workmanship

12 YEAR WARRANTY

Linear Performance

25 YEAR WARRANTY



LISTED

[PHOTOVOLTIC MODULE OVER 600 VOLTS]
UL File No. E515622



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DH-M160W 440-460W

Half-cut Mono PERC Module

ELECTRICAL PROPERTIES STC*	440W	445W	450W	455 W	460W
Peak Power (Pmax W)	440	445	450	455	460
MPP Voltage (Vmp V)	33.95	34.10	34.22	34.29	34.41
MPP Current (Imp A)	12.96	13.05	13.15	13.27	13.37
Open Circuit Voltage (Voc V)	40.97	41.08	41.15	41.28	41.45
Short Circuit Current (Isc A)	13.70	13.77	13.83	13.90	13.99
Module Efficiency (%)	20.39%	20.62%	20.85%	21.08%	21.32%
Power Tolerance	0 ~ + 5W				
Operating Temperature	-40 °C ~ +85 °C				
Maximum System Voltage	DC1500V				
Maximum Series Fuse Rating	25A				

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

ELECTRICAL PROPERTIES NOCT*	440W	445W	450W	455 W	460W
Peak Power (Pmax W)	327	331	335	339	342
MPP Voltage (Vmp V)	31.39	31.56	31.73	31.91	32.07
MPP Current (Imp A)	10.43	10.49	10.55	10.61	10.67
Open Circuit Voltage (Voc V)	38.72	38.79	38.87	39.01	39.15
Short Circuit Current (Isc A)	11.09	11.14	11.19	11.25	11.32

*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(182x91mm)
Number of Cells	120 (60*2) pcs
Dimension	1903*1134*35mm
Weight	24.2KG
Front Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0mm 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

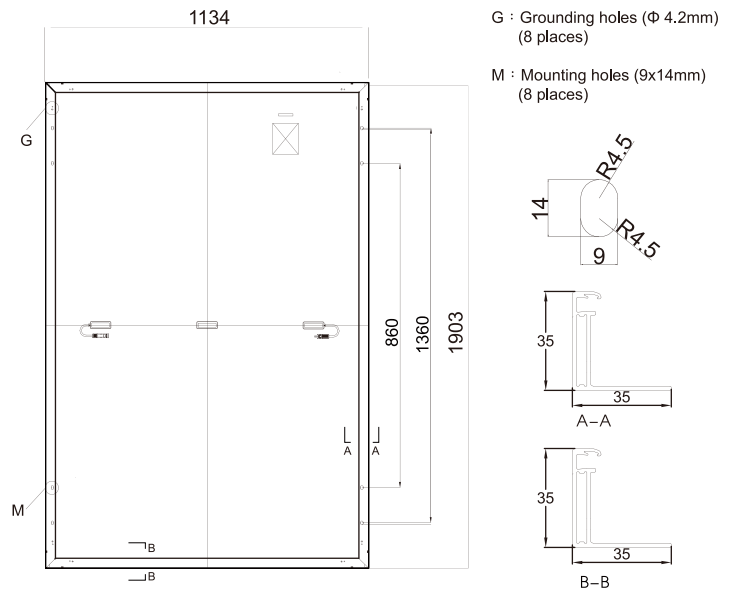
PACKAGING	
Pallet	35pcs
40'HC	840pcs

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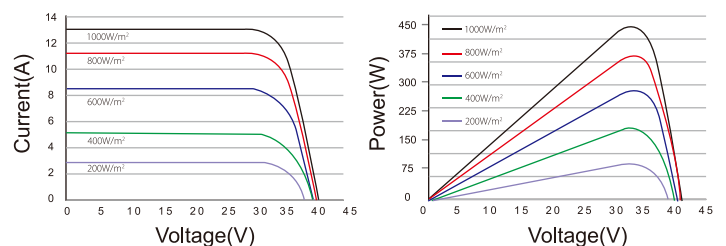
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ENGINEERING DRAWING (unit: mm)



I-V CURVES

Current-Voltage & Power-Voltage Curves(450W)



DEHUI