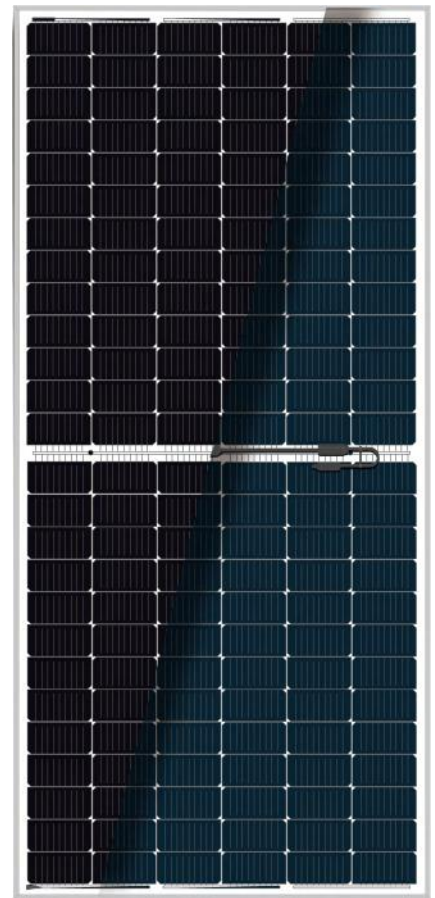




BiMax

# DH-M778F 470-490W

Bifacial Half-cut  
Mono PERC Module



Advanced processing techniques realize great module efficiency to a maximum of 21.1%, 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

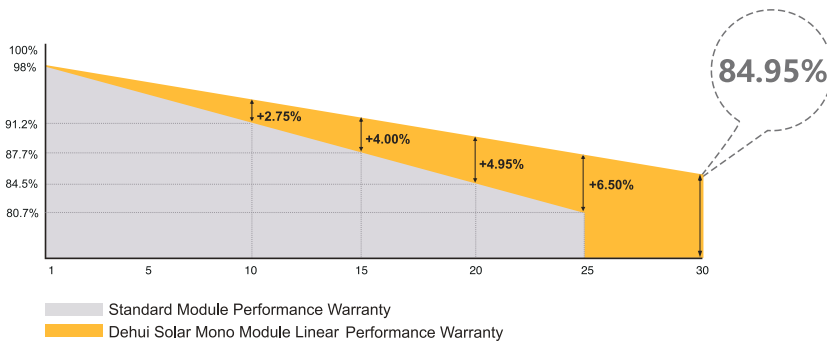


Excellent mechanical load resistance: wind loads (2400Pa) & snow loads (5400Pa)



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

**30** YEAR WARRANTY



# DH-M778F 470-490W

## Bifacial Half-cut Mono PERC Module

### ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}$ (Wp)*	470	475	480	485	490
Power Output Tolerance- $P_{MAX}$ (W)	0 ~ +5				
Maximum Power Voltage- $V_{MPP}$ (V)	44.37	44.57	44.75	44.95	45.15
Maximum Power Current- $I_{MPP}$ (A)	10.60	10.66	10.73	10.79	10.87
Open Circuit Voltage- $V_{OC}$ (V)	48.85	49.05	49.25	49.45	49.65
Short Circuit Current- $I_{SC}$ (A)	11.40	11.46	11.52	11.58	11.64
Module Efficiency $\eta_m$ (%)	20.2	20.4	20.6	20.8	21.1

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\*Measuring tolerance: ±3%.

### ELECTRICAL DATA (NOCT)

Maximum Power- $P_{MAX}$ (Wp)	348	352	356	359	363
Maximum Power Voltage- $V_{MPP}$ (V)	40.55	40.79	40.97	41.08	41.25
Maximum Power Current- $I_{MPP}$ (A)	8.58	8.63	8.69	8.74	8.80
Open Circuit Voltage- $V_{OC}$ (V)	45.92	46.11	46.30	46.38	46.67
Short Circuit Current- $I_{SC}$ (A)	9.23	9.28	9.33	9.38	9.42

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### BIFACIAL OUTPUT-REAR SIDE POWER GAIN

5% Maximum Power( $P_{max}$   W)	494	499	504	509	515
5% Module EfficiencySTC(%)	21.21	21.43	21.66	21.88	22.11
15% Maximum Power( $P_{max}$   W)	541	546	552	558	564
15% Module EfficiencySTC(%)	23.23	23.47	23.72	23.97	24.21
25% Maximum Power( $P_{max}$   W)	588	594	600	606	613
25% Module EfficiencySTC(%)	25.24	25.51	25.78	26.05	26.32

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	156 cells (6 × 26)
Module Dimensions	2261 × 1038 × 35mm
Weight	32.2 kg
Front Glass	2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Encapsulant material	POE
Back Glass	2.0 mm, Heat Strengthened Glass (White Grid Glass)
Frame	35mm Anodized Aluminium Alloy
J-Box	IP 68 rated
UL Fire Type	29
Output Cable	4mm <sup>2</sup> , 300mm in length, length can be customized

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.

### TEMPERATURE RATINGS

NMOT(Nominal Module Operating Temperature)	45°C (±2°C)
Temperature Coefficient of $P_{MAX}$	- 0.35%/°C
Temperature Coefficient of $V_{OC}$	- 0.27%/°C
Temperature Coefficient of $I_{SC}$	0.04%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

### MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
	1500V DC (UL)
Max Series Fuse Rating	20A

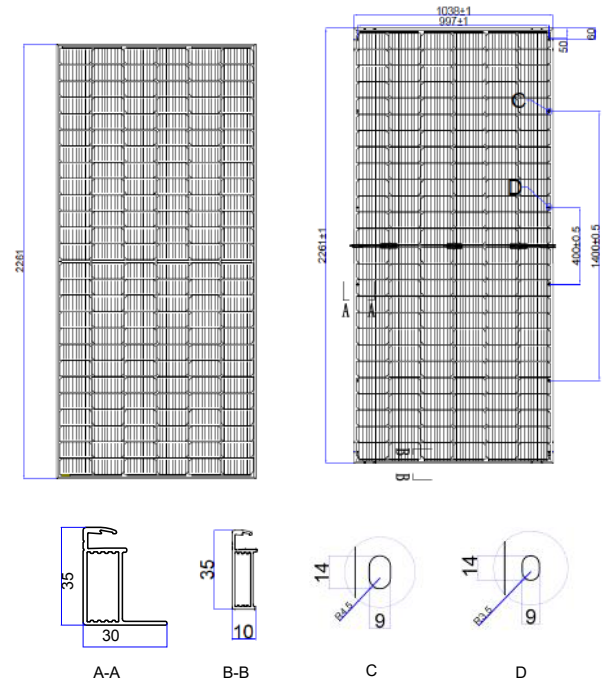
### WARRANTY

12 year Product Workmanship Warranty  
30 year Linear Power Warranty  
(Please refer to product warranty for details)

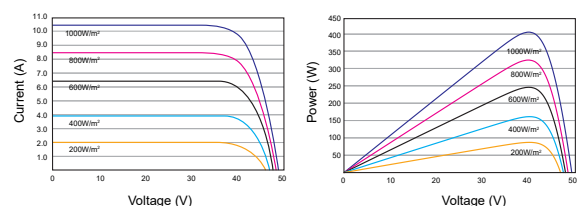
### PACKAGING

Pallet: 31 pcs  
40'HC 620 pcs

### ENGINEERING DRAWING (mm)



### I-V AND P-V CURVES (480W)



**U.S.A Office:** 14820 Central Avenue, Chino, CA 91710  
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