



Agrisolar Applications

Combining agriculture and electricity generation.



Optimized light management

Improving growth conditions while maintaining energy production.



Environmentally friendly product

Focus on the circular economy – low carbon footprint, PFAS-free, and recyclable components.

Electrical Specifications at STC

Maximum Power (Pmax/W)	485	490	495	500
Maximum Power Current (Imp/A)	13.19	13.26	13.32	13.38
Maximum Power Voltage (Vmp/V)	36.82	37.02	37.22	37.42
Short-circuit Current (Isc/A)	13.99	14.06	14.13	14.20
Open-circuit Voltage (Voc/V)	44.10	44.30	44.50	44.70
Module Efficiency (%)	18.77%	18.97%	19.16%	19.36%
Bifaciality: 80%±5% STC: AM1.5 1000W/m ² 25°C Measurement uncertainty: ±3%				

Mechanical Data

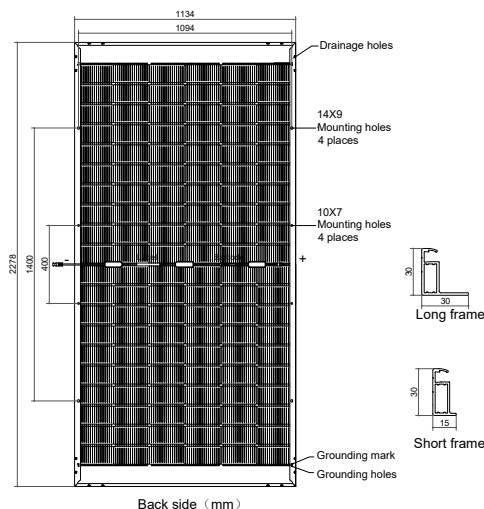
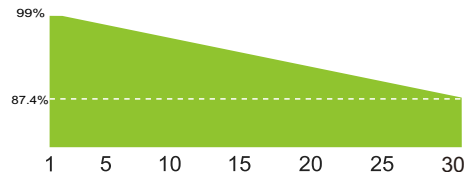
Cell Type	N type Mono-crystalline
Cell Arrangement	120(6x20)
Module Dimensions	2278x1134x30mm
Weight	31.7kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
Safety Class	Class II
Junction Box Rating	IP68
Cables+connector	4mm ² /(+)-110mm;(-)-350mm or Customized
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)

Maximum Ratings

Operating Temperature	-40°C to +85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1500V DC (IEC)		

15 Years Product Warranty

30 Years Peak Power Warranty



Packaging

Pallet Dimensions	2320×1140×1250mm
Container	40'HQ
Pieces per Pallet	36
Pieces per Container	720

Temperature Characteristics

Nominal Module Operating Temperature	42±2°C
Temperature Coefficient of Isc	+0.048%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.29%/°C

Statement: DMEGC reserve the right optimize the above data from time to time.

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