



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)	430	435	440	445
Maximum Power Current (Imp/A)	13.10	13.17	13.24	13.31
Maximum Power Voltage (Vmp/V)	32.83	33.03	33.24	33.45
Short-circuit Current (Isc/A)	13.88	13.95	14.02	14.09
Open-circuit Voltage (Voc/V)	39.44	39.64	39.84	40.04
Module Efficiency (%)	16.65%	16.84%	17.03%	17.23%
Bifaciality: 80%±5% STC: AM1.5 1000W/m ² 25°C Measurement uncertainty: ±3%				

Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	108(6x18)
Module Dimensions	2278x1134x30mm
Weight	31.6kg
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)

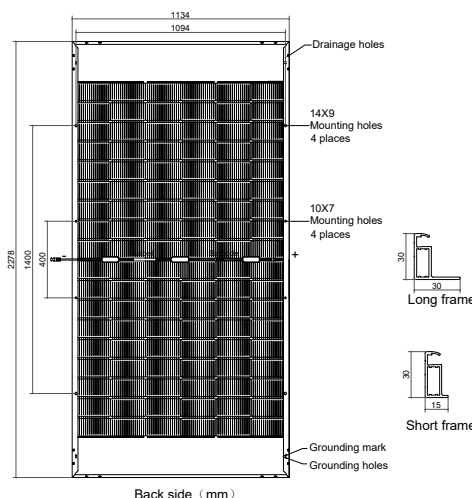
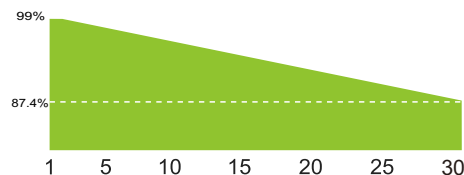
Maximum Ratings

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)		

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

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