

485 / 490 / 495 / 500

GHxxxM10T-B60HST

~18% transparent area



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&BNPI

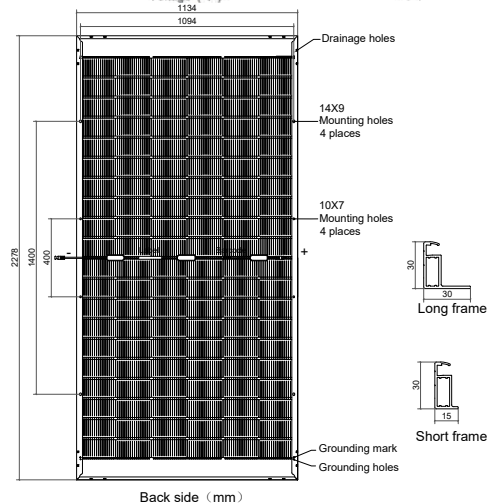
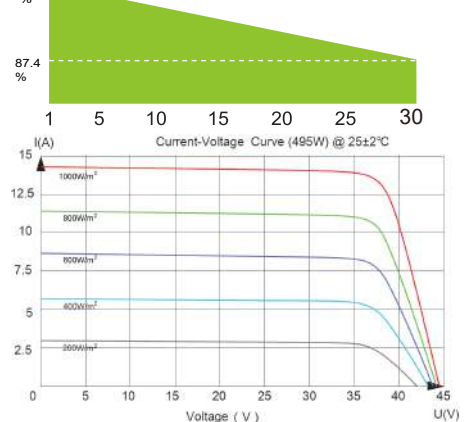
Module Type	GH485M10T-B60HST		GH490M10T-B60HST		GH495M10T-B60HST		GH500M10T-B60HST	
Isc(BSI) (A)	17.26		17.35		17.44		17.52	
Test Conditions	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	485	536	490	542	495	547	500	553
Maximum Power Current (Imp/A)	13.19	14.56	13.26	14.63	13.32	14.70	13.38	14.77
Maximum Power Voltage (Vmp/V)	36.82	36.86	37.02	37.06	37.22	37.26	37.42	37.46
Short-circuit Current (Isc/A)	13.99	15.39	14.06	15.47	14.13	15.55	14.20	15.62
Open-circuit Voltage (Voc/V)	44.10	44.11	44.30	44.31	44.50	44.51	44.70	44.71
Module Efficiency (%)	18.77%		18.97%		19.16%		19.36%	

Bifaciality: 80%±5%
 $\eta_{Isc}=80\%\pm5\%$, $\eta_{Voc}=100\%$
 $\pm3\%$, $\eta_{Pmax}=80\%\pm5\%$

STC: AM1.5 1000W/m² 25°C BNPI: AM1.5 Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C
 BSI: E=1000W/m², E=300W/m², AM1.5, T=25

Measurement tolerance: Isc: ±4%, Voc: ±3%,
 Pmax: ±3%

Performance warranty terms only apply to the front-side (STC) performance



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	Stäubli: PV-KST4-EVO2/xy, UR, PV-KBT4-EVO2/xy, UR, PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy; Sunter: PV-ZH202B

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

Maximum Ratings

Operating Temperature (T98)	-40°C to +70°C	Maximum Series Fuse Rating	30A
Maximum Design Load Capacity ¹	+3600Pa/-2400Pa	Maximum System Voltage	1500V DC (IEC)
Fire Class (Under UL790)	Class C	Power Output Sorting Tolerance (%)	0-3

¹The loading values will change according to different installing methods, please see installation manual for instructions

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