

530 / 535 / 540 / 545

GHxxxM10T-B66HST

~10% 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.

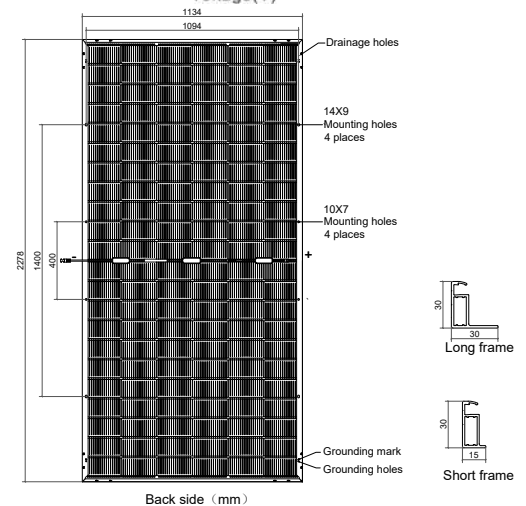
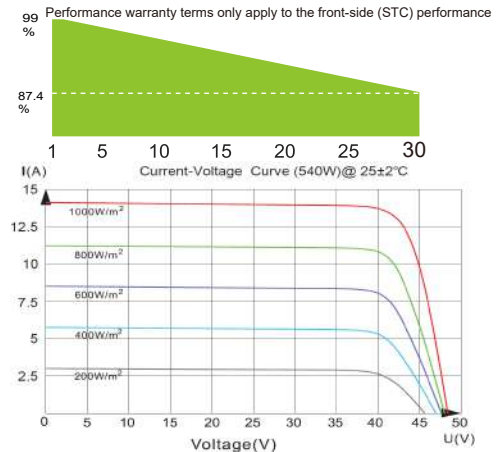
Electrical Specifications at STC&BNPI

Module Type	GH530M10T-B66HST		GH535M10T-B66HST		GH540M10T-B66HST		GH545M10T-B66HST	
Isc(BSI) (A)	17.22		17.30		17.37		17.45	
Test Conditions	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax/W)	530	586	535	591	540	597	545	602
Maximum Power Current (Imp/A)	13.22	14.59	13.28	14.66	13.34	14.72	13.40	14.79
Maximum Power Voltage (Vmp/V)	40.14	40.19	40.34	40.39	40.54	40.59	40.74	40.79
Short-circuit Current (Isc/A)	13.96	15.36	14.02	15.42	14.08	15.49	14.14	15.56
Open-circuit Voltage (Voc/V)	47.98	47.99	48.18	48.19	48.38	48.39	48.58	48.59
Module Efficiency (%)	20.52%		20.71%		20.90%		21.10%	

Bifaciality: 80%±5%
 qIsc=80%±5%, qVoc=100%
 ±3%, qPmax=80%±5%

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°C

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



Mechanical Data

Cell Type	N type Mono-crystalline
Cell Arrangement	132(6x22)
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