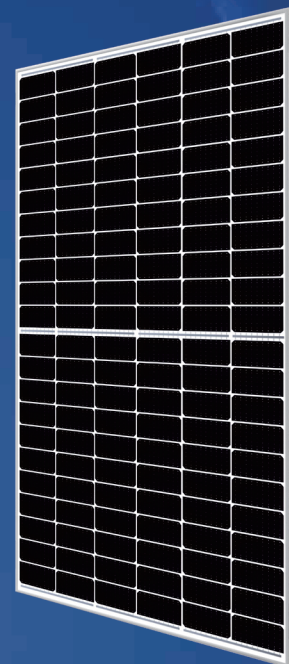


PV MODULE

KT-M766BH485WW/WB	485W
KT-M766BH490WW/WB	490W
KT-M766BH495WW/WB	495W
KT-M766BH500WW/WB	500W
KT-M766BH505WW/WB	505W



KEY FEATURES

1500

High Voltage

UL and IEC 1500V certified; lowers BOS costs and yields better LCOE



High Efficiency

Higher module conversion efficiency benefit from half cell structure (low resistance characteristic).



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



Severe Weather Resilience

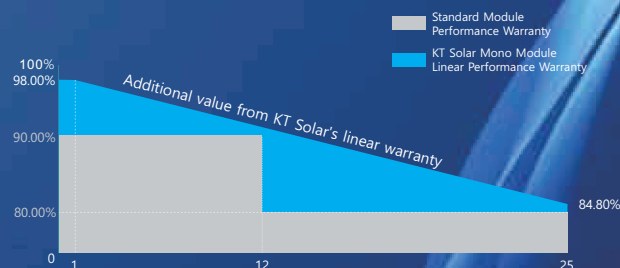
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV SUD.

WARRANTY



25 25-years Linear Performance Warranty

12 12-years Product Material & Workmanship

0.55 1st year ≤ 2%, 2nd~25th years ≤ 0.55% / year

IEC61215
IEC61730
UL61215
UL61730



Munich RE

ELECTRICAL SPECIFICATIONS

Module Type	KT-M766BH485WW KT-M766BH485WB	KT-M766BH490WW KT-M766BH490WB	KT-M766BH495WW KT-M766BH495WB	KT-M766BH500WW KT-M766BH500WB	KT-M766BH505WW KT-M766BH505WB
Maximum Power -P _{mp} (W)	485	490	495	500	505
Open Circuit Voltage -V _{oc} (V)	45.20	45.33	45.46	45.59	45.72
Short Circuit Current -I _{sc} (A)	13.72	13.79	13.86	13.93	14.00
Maximum Power Voltage -V _{mp} (V)	37.81	37.99	38.17	38.35	38.53
Maximum Power Current -I _{mp} (A)	12.83	12.90	12.97	13.04	13.11
Module Efficiency STC-η _m (%)	20.5%	20.7%	20.9%	21.1%	21.3%
Power Tolerance (W)	(0, +4.99)				
Maximum System Voltage	1500VDC				
Maximum Series Fuse Rating	25A				
Operating Temperature	-40~+85 °C				
Nominal Operating Cell Temperature	45±2 °C				

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

ELECTRICAL SPECIFICATIONS(NOCT)

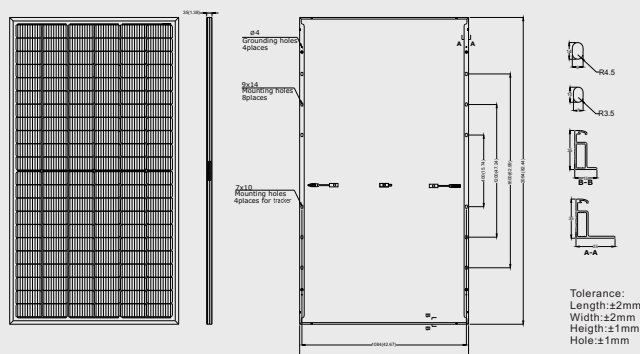
Module Type	KT-M766BH485WW KT-M766BH485WB	KT-M766BH490WW KT-M766BH490WB	KT-M766BH495WW KT-M766BH495WB	KT-M766BH500WW KT-M766BH500WB	KT-M766BH505WW KT-M766BH505WB
Maximum Power -P _{mp} (W)	367	370	374	378	382
Open Circuit Voltage -V _{oc} (V)	42.30	42.43	42.58	42.72	42.86
Short Circuit Current -I _{sc} (A)	11.06	11.13	11.20	11.27	11.34
Maximum Power Voltage -V _{mp} (V)	35.67	35.76	35.84	35.93	36.02
Maximum Power Current -I _{mp} (A)	10.28	10.36	10.44	10.52	10.60

MECHANICAL SPECIFICATIONS

External Dimension	2094 x 1134 x 35mm
Weight	26kg
Solar Cells	PERC Mono crystalline 182 x 91 mm (132pcs)
Front Glass	3.2mm AR coating tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cable Length (Including Connector)	4.0 mm ² (12AWG), Portrait:300mm(+)/400mm(-);Or customized
Connector	MC4 Compatible

PHYSICAL CHARACTERISTICS

Unit:mm



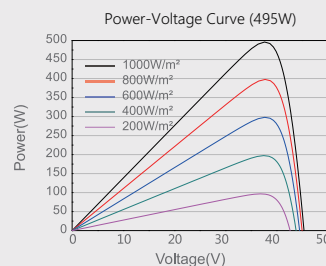
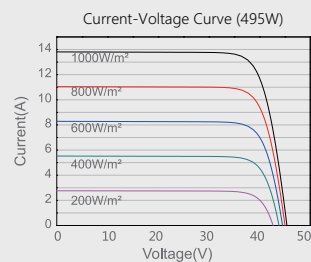
* The above drawing is a graphical representation of the product.
For engineering quality drawings please contact KT Solar.

APPLICATION CONDITIONS

Pmax Temperature Coefficient	-0.340%/°C
Voc Temperature Coefficient	-0.263%/°C
Isc Temperature Coefficient	+0.054%/°C
Fire Performance	Class C(IEC)/Type 1(UL)

PACKING MANNER

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact [KT Solar](#) for technical support. The actual transactions will be subject to the contracts. This parameters is for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.