

### KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 9busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Manufactured according to and certified international I Quality and Environment Management System



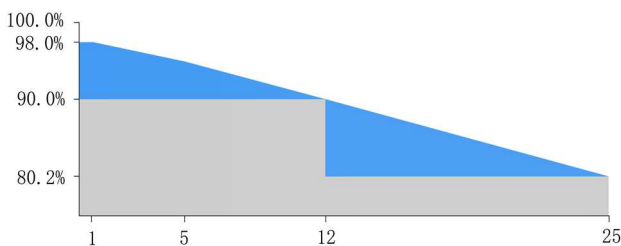
Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.

### CERTIFICATE

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2015
- ISO14001:2015
- ISO45001:2018



25 Years Power Output Warranty



### WARRANTY



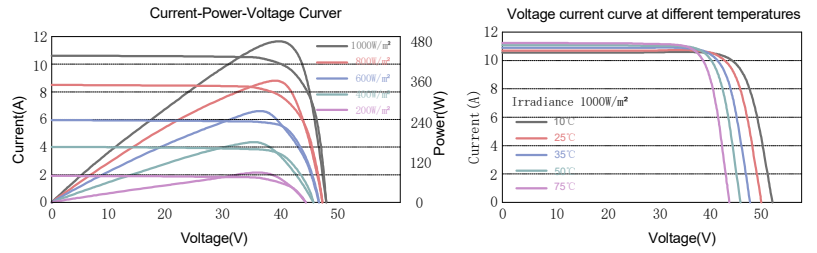
Linear power output warranty  
 -12 years minimum 90.0% power output  
 -25 years minimum 80.2% power output



Product warranty on materials and workmanship  
 According to the applicable UKE Solar  
 Limited Warranty Statement



## IV-CURVES



## ELECTRICAL CHARACTERISTICS

Model	UKE445M8-72H	UKE450M8-72H	UKE455M8-72H	UKE460M8-72H
Maximum Power at STC(Pmax)	445W	450W	455W	460W
Optimum Operating Voltage (Vmp)	40.83V	41.03V	41.22V	41.41V
Optimum Operating Current (Imp)	10.90A	10.97A	11.04A	11.11A
Open-Circuit Voltage (Voc)	49.13V	49.33V	49.53V	49.73V
Short-Circuit Current (Isc)	11.35A	11.41A	11.47A	11.56A
Solar Module Efficiency (%)	20.5	20.7	20.9	21.1
Operating Temperature	-40to85°C			
Maximum System Voltage	DC1500V			
Maximum Series Fuse Rating	20A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/m <sup>2</sup> ,Modules Temperature 25°C,AM=1.5				

## MECHANICAL CHARACTERISTICS

NOCT	43±2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of VOC	-0.28%/°C
Temperature Coefficient of ISC	+0.048%/°C

## TEMPERATURE COEFFICIENTS

No.of cells	Mono PERC 166mm 144(6×12+6×12)
Dimensions	2094mm*1038mm*35mm
Weight	23.2kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, three diodes
Connector	Plug and socket
Output cables	PV 4.0mm <sup>2</sup> ,0.3m
Packing Specification	31 pcs/Pallet, 155 pcs/ 20'GP; 682 pcs/ 40'HQ;

