

### KEY FEATURES



#### 10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation comparing with conventional P-type module



#### Better Weak Illumination Response

Higher power output even under low-light environments like on cloudy or foggy days



#### ZERO LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation



#### Better Temperature Coefficient

Higher power generation under working conditions, thanks to passivating contact cell technology



#### Lower LCOE

Higher bifaciality, higher power output and lower BOS cost



#### Wider Applicability

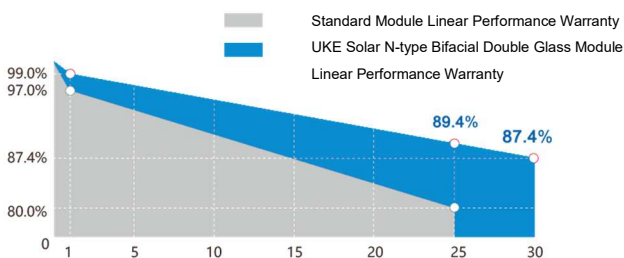
More application scenes like BIPV, vertical installation, snowfield, high-humid, windy and dusty area

### CERTIFICATE

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



### 30 Years Power Output Warranty



### WARRANTY



Linear power output warranty

-15 years minimum 87.4% power output

-30 years minimum 80.0% power output



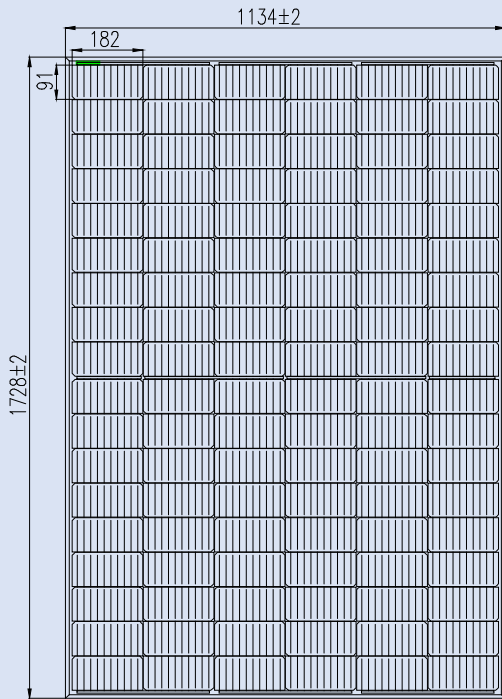
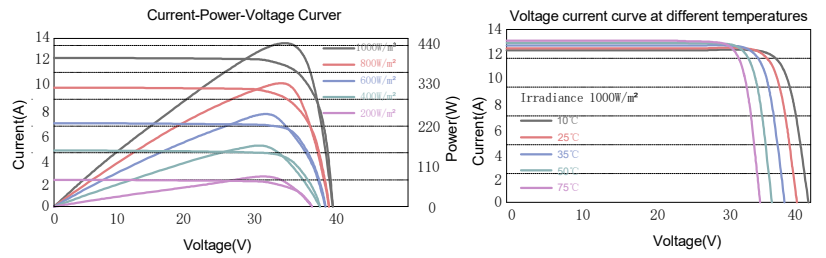
Product warranty on materials and workmanship

According to the applicable UKE Solar

Limited Warranty Statement



## IV-CURVES



## ELECTRICAL CHARACTERISTICS (Front Side)

Model	UKE415M10-54BF	UKE420M10-54BF	UKE425M10-54BF	UKE430M10-54BF
Maximum Power at STC(Pmax)	415W	420W	425W	430W
Optimum Operating Voltage (Vmp)	31.7V	31.9V	32.1V	32.3V
Optimum Operating Current (Imp)	13.10A	13.17A	13.24A	13.32A
Open-Circuit Voltage (Voc)	37.7V	37.9V	38.1V	38.3V
Short-Circuit Current (Isc)	13.91A	13.98A	14.05A	14.12A
Solar Module Efficiency (%)	21.18	21.43	21.69	21.94
Operating Temperature	-40to85°C			
Maximum System Voltage	DC1500V			
Maximum Series Fuse Rating	30A			
Power Tolerance	0~+3%			
STC:Irradiance 1000W/m², Modules Temperature 25°C, AM=1.5				

## MECHANICAL CHARACTERISTICS

NOCT	42±2°C
Temperature Coefficient of Pmax	-0.310%/°C
Temperature Coefficient of VOC	-0.260%/°C
Temperature Coefficient of ISC	+0.046%/°C

## TEMPERATURE COEFFICIENTS

No.of cells	Mono N-type 182mm 108(6×9+6×9)
Dimensions	1728mm*1134mm*30mm
Weight	24.5kg
Front glass	2mm/2mm tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, three diodes
Connector	Plug and socket
Output cables	PV 4.0mm², 0.3m
Packing Specification	36 pcs/Pallet, 216 pcs/ 20'GP; 936 pcs/ 40'HQ;

