

**ARTIC  
TECH**

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**15** Years  
Product  
Warranty

**30** Years  
Linear Power  
Warranty

## High Efficiency **TOPCon** Module

### ATE-132-720

700W | 705W | 710W | 715W | 720W | 725W

**725W**

Maximum  
Power Output

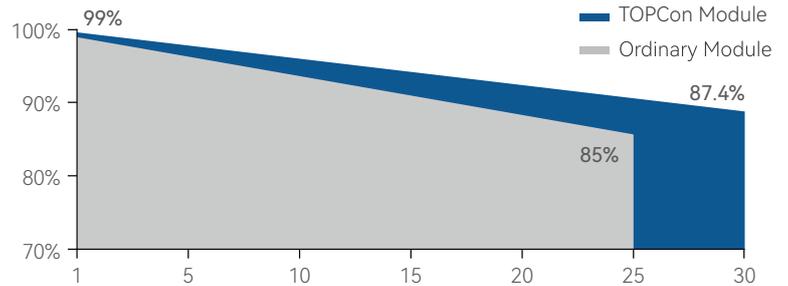
**23.34%**

Maximum  
Efficiency

**85±5%**

Bifaciality

### Quality Assurance



### Product Features



#### SMBB Half Cell

Multi-busbar half-cell design, higher module efficiency and power output



#### G12 Cell / Module

G12 size wafer, applicable to multiple scenarios



#### High Reliability

Certified mechanical performance up to 5400 Pa positive load and 2400 Pa negative load, with better protection against harsh weather



#### High Energy Yield

Maximum Module Efficiency up to 23.34% achieved by mature mass production TOPCon cell technology



#### Better Warranty

Extremely low LID/PID in longer service life, less than 12.6% power degradation in 30 years



#### Higher Performance

Lower temperature coefficient and low operation temperature, resulting in better energy yield in all-weather

### Certificates



*JP-AC*

## Electrical Data(STC)

Model	ATE-132-700	ATE-132-705	ATE-132-710	ATE-132-715	ATE-132-720	ATE-132-725
Pmax(Wp)	700	705	710	715	720	725
Voc(V)	48.51	48.76	49.01	49.26	49.51	49.76
Isc(A)	18.22	18.26	18.31	18.36	18.40	18.45
Vmpp(V)	40.71	40.85	41.02	41.17	41.33	41.48
Imp(A)	17.20	17.27	17.32	17.38	17.44	17.50
Efficiency	22.54%	22.70%	22.86%	23.02%	23.18%	23.34%

STC: AM1.5 Irradiance: 1000W/m<sup>2</sup>, Temperature=25°C

## Electrical Characteristics(NOCT)

Model	ATE-132-700	ATE-132-705	ATE-132-710	ATE-132-715	ATE-132-720	ATE-132-725
Pmax(Wp)	533	538	542	546	551	555
Voc(V)	46.41	46.66	46.91	47.16	47.41	47.66
Isc(A)	14.66	14.70	14.75	14.80	14.84	14.89
Vmpp(V)	38.21	38.35	38.52	38.67	38.83	38.98
Imp(A)	13.95	14.02	14.07	14.13	14.19	14.25

αsc (%/K) : 0.045; βVoc (%/K) : -0.25; γPmp (%/K) : -0.29

AM1.5, irradiance: 800W/m<sup>2</sup>, Temperature=25°C, Wind speed=1m/s

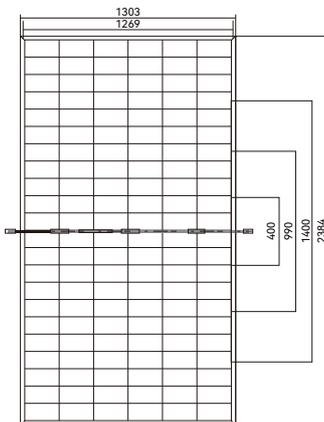
## Mechanical Data

Cell	210×105mm All Dimensions
Weight	38.5±0.5kg
Dimension	2384×1303×35 (33) mm
Cable	4mm <sup>2</sup> , 300mm (customized length based on needs)
Frame	Anodized aluminum
Junction Box	IP68, 1500VDC, 3Diodes
Packaging configuration (40'Container; 17.5'Trailer)	31(33)pcs/pallet, 18pallets/container, 558(594) pcs/container ; 24 pallet/Trailer, 744(792) pcs/Trailer

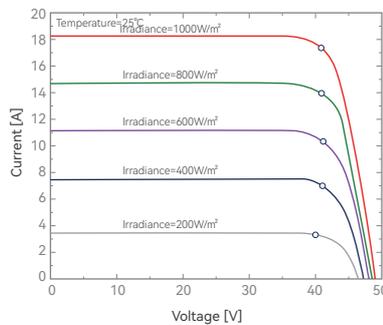
## Working Condition

Maximum System Voltage	1500VDC
Operating Temperature	-40°C ~ +85°C
Maximum Fuse Rating	35A
Rear Side Mechanical Load	2400Pa
Front Side Mechanical Load	5400Pa
NOCT	44±2°C
Safety Rating	Class II
Grounding Electric Conductivity	< 0.1Ω

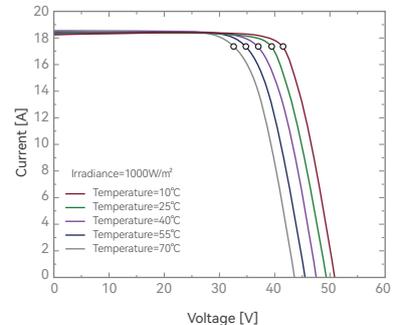
## Dimensions (mm)



## I-V Diagram



Different Irradiance



Different Temperature