

# Mono PERC Flexible Module

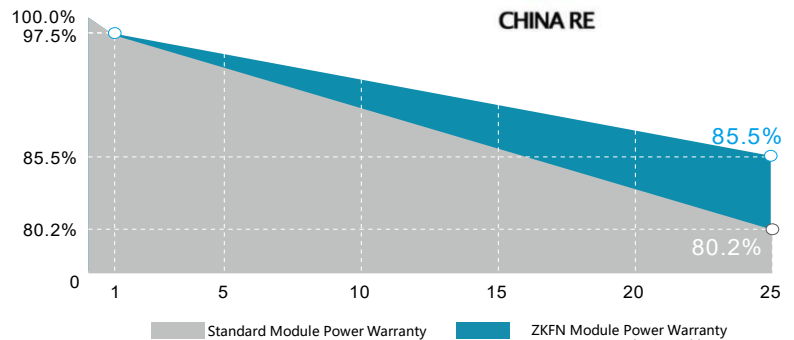
Module type: ZKFN B1 000A    Peak-power: 510-520W

<b>520W</b>	<b>22.0%</b>	<b>0~+5W</b>
Max-Power	Max-Efficiency	Power-tolerance

## Reinsurance Coverage for 25 Years



Insured by CHINA RE



※1st year degradation less than 2.5%, 25 years power output 85.5% guaranteed.

## Quality Assurance

IEC61215, IEC61730

ISO9001:2015



### Low-weight

Areal weight: 2.9 kg/m<sup>2</sup>, Less than 30% of traditional glass-based solar modules



### High-strength

World's only C-Si flexible module which can endure hail-strike without cell cracks and power losses



### Thin

Thickness: 1.8 mm (junction box not included), Only 50% of traditional glass-based solar modules



### Easy-to-install

No need for PV support bracket, modules can be directly bonded to installation surface by weather-resistant glue



### Flexible

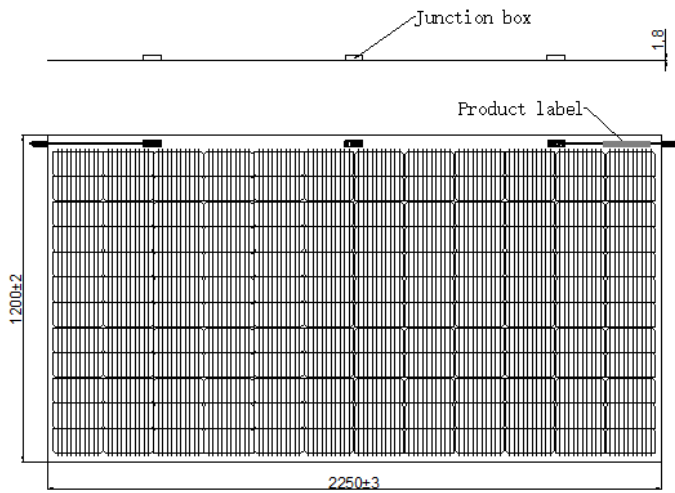
Smallest bending radius of 0.3 m, No cell cracks and no power losses



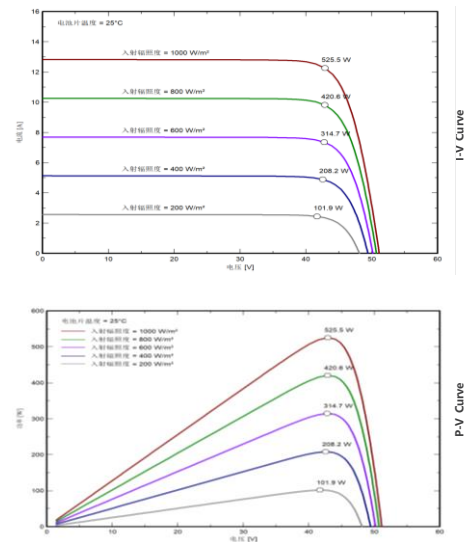
### Aesthetics

Module's surface and texture can be customized to meet aesthetic requirements

## Size (mm)



## Curve characteristic diagram (520Wp)



## Electrical performance parameters (STC\*)

Module Type		ZKFN B1 000A-510	ZKFN B1 000A-515	ZKFN B1 000A-520
Max-Power	PMPP [W]	510	515	520
Power Tolerance	[W]	0 ~ 5W	0 ~ 5W	0 ~ 5W
Max-Power Voltage	VMPP [V]	42.29	42.35	42.41
Max-Power Current	IMPP [A]	12.31	12.34	12.37
Open-Circuit Voltage	Voc [V]	49.76	49.83	49.9
Short-Circuit Current	Isc [A]	12.74	12.78	12.86
Max. series fuse rating	[A]		25	
Max. system voltage	IEC/UL [V]		1500V DC(IEC)	

STC\*: Irradiance=1000 W/m<sup>2</sup>, Module temperature=25°C, AM=1.5

## Mechanical parameters

Cell Type	Mono PERC 182mm*182mm
Size	2250*1200*1.8mm
Thickness	1.8mm (junction box not included)
Weight	2.9 kg/m <sup>2</sup>
Connector	MC4 Compatible
Junction-box	Triad Junction box IP68
Backboard color	Black/White

## Electrical performance parameters (NMOT\*)

Module Type		ZKFN B1000A- 510	ZKFN B1000A- 515	ZKFN B1000A- 520
Max-Power	PMPP [W]	395	399	403
Max-Power Voltage	VMPP [V]	39.37	39.43	39.49
Max-Power Current	IMPP [A]	10.37	10.4	10.43
Open-Circuit Voltage	Voc [V]	46.1	46.17	46.24
Short-Circuit Current	Isc [A]	10.72	10.76	10.84

NMOT\*: Irradiance=800 W/m<sup>2</sup>, Ambient temperature=20°C, Wind speed=1 m/s

## Application parameters

Max. system voltage	DC 1500V
Power Tolerance	0 ~ +5 W
Operating temperature range	-40 °C ~ +85°C
Max. series fuse rating	25 A
Mechanical Load	2400Pa (Snow & Wind Load)

## Temperature coefficient

Temperature-coefficient of PMPP	[%/°C]	-0.37
Temperature-coefficient of Voc	[%/°C]	-0.28
Temperature-coefficient of Isc	[%/°C]	0.05
NOCT	°C	45±2°C

## Package

Transportation	Container size	Quantity (pcs)	Quantity (per pallet)
Container	40' HQ	1260	70
Platform Trailer	13m	1400	70
Platform Trailer	17.5m	1960	70