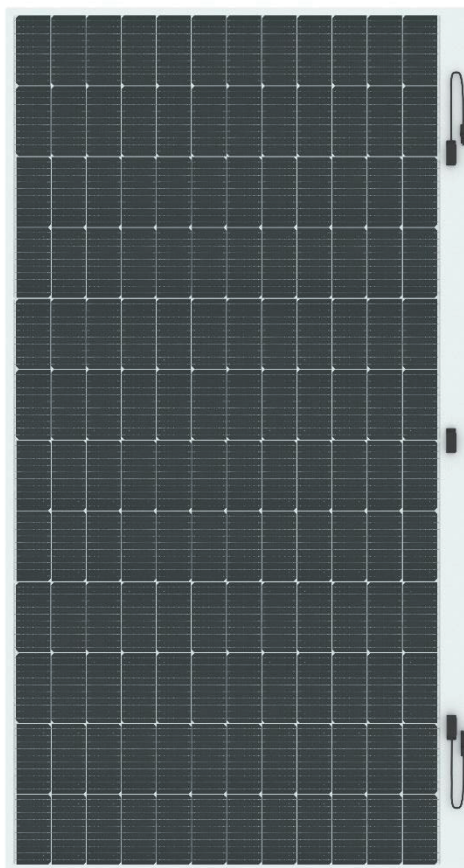




Mono PERC Flexible Module

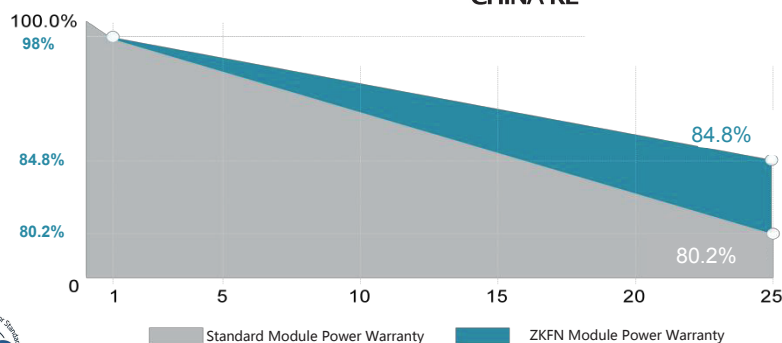
Module type: ZKFN B1 000A Peak-power: 510W-520W

520W	21.2%	0~+5W
Max-Power	Efficiency	Power-tolerance

Reinsurance Coverage for 25 Years



Insured by China RE



※ 1st year degradation less than 2%, 25 years power output 84.8% guaranteed.

Quality Assurance



Low-weight

Areal weight: 2.9 kg/m², 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

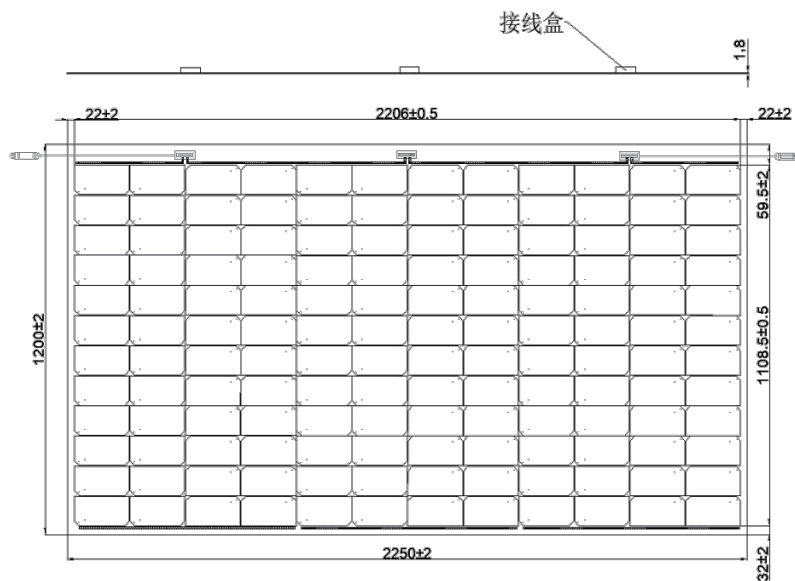
Smallest bending radius of 0.3 m, No cell cracks and no power losses



Aesthetics

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

Size (mm)



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	0 ~ +3%	[W]	0 ~ 5W	0 ~ 5W	0 ~ 5W
Max-Power Voltage	VMPP	[V]	41.43	41.73	42.04
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	13.09
Max. series fuse rating		[A]		25	
Max. system voltage	IEC/UL	[V]	1500V DC(IEC)		

STC*: Irradiance=1000 W/m², Module temperature=25°C, AM=1.5, test error ±3%

Electrical performance parameters (NMOT*)

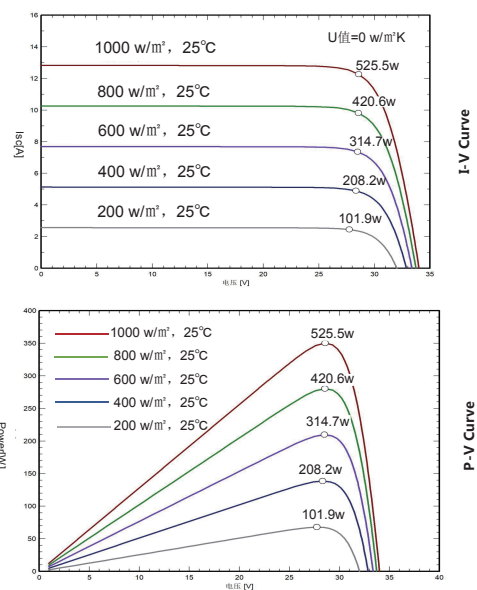
Module Type			ZKFN B1 000A-510	ZKFN B1 000A-515	ZKFN B1 000A-520
Max-Power	PMPP	[W]	395	399	403
Max-Power Voltage	VMPP	[V]	38.10	38.37	38.64
Max-Power Current	IMPP	[A]	10.37	10.4	10.43
Open-Circuit Voltage	Voc	[V]	46.1	46.17	46.24
Short-Circuit Current	Isc	[A]	10.72	10.76	10.84

NMOT*: Irradiance=800 W/m², Ambient temperature=20°C, Wind speed=1 m/s

Temperature coefficient

Temperature-coefficient of PMPP	[%/°C]	-0.34
Temperature-coefficient of Voc	[%/°C]	-0.28
Temperature-coefficient of Isc	[%/°C]	0.05
NOCT	°C	45±2°C

Curve characteristic diagram (520Wp)



Mechanical parameters

Cell Type	Mono PERC 182mm*182mm
Size	2250*1200*1.8 mm
Thickness	1.8mm (junction box not included)
Weight	7.6 kg/module
Connector	MC4 Compatible
Junction-box	Triad Junction box IP68
No.of Bypass Diodes	3
Backboard color	White

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	Front 5400Pa, Back 2400Pa

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