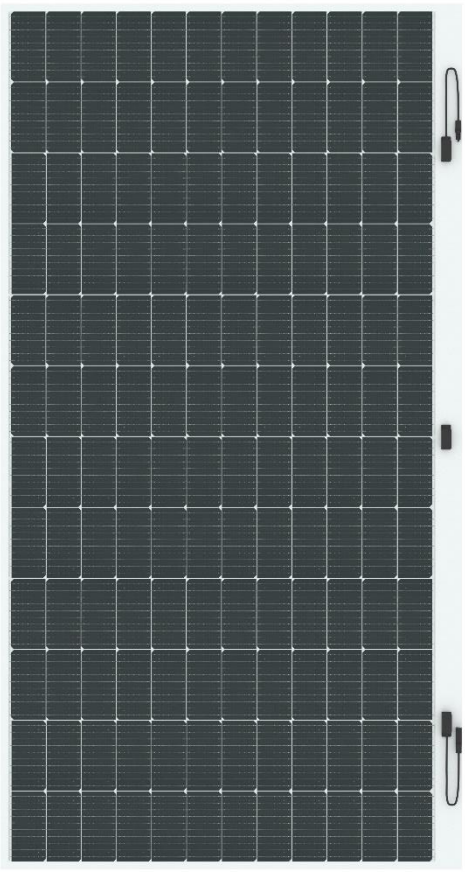
Mono PERC Flexible Module

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



520W	22.0%	0~+5W
Max-Power	Max-Efficiency	Power-tolerance

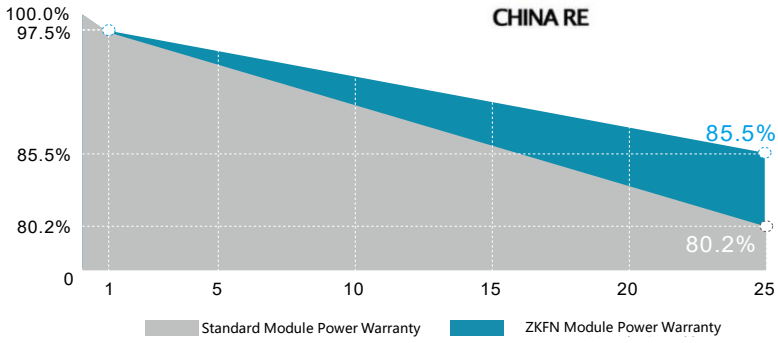
Reinsurance Coverage for 25 Years

12year Quality Warranty

25year Performance Warranty

Insured by CHINA RE

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^2, 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

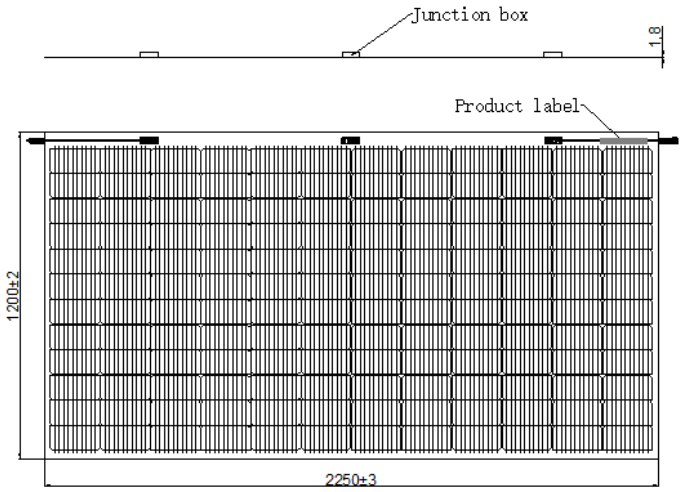
Flexible

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

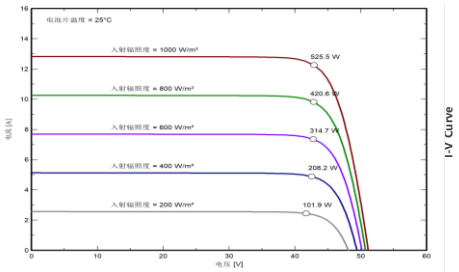
Aesthetics

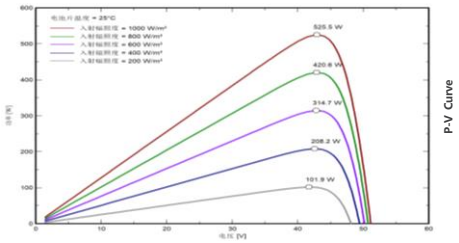
Module's surface and texture can be customized to meet aesthetic requirements

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/m², Module temperature=25℃, AM=1.5

Mechanical parameters

Cell Type	Mono PERC 182mm*182mm
Size	2250*1200*1.8 mm
Thickness	1.8mm (junction box not included)
Weight	2.9 kg/m²
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/m², Ambient temperature=20℃, Wind speed=1 m/s

Application parameters

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

Temperature coefficient

Temperature-coefflcient of PMPP	[%/℃]	-0.37
Temperature-coefflcient of Voc	[%/℃]	-0.28
Temperature-coefflcient of Isc	[%/℃]	0.05
NOCT	℃	45±2℃

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