

SolarPegaF

TOPCON Light-weight Module 510-520W

Light-weight | Anti-dust | Walkable | Crack-free

Powered by TSR-Armor™ Technology

Quality Assurance



Product
Warranty



Performance
Warranty



Fully Insured
by CCIC



Light-weight

Weight only 7.3kg/m², about 40% of traditional panels



Walkable

Panels can be stepped on, without cell micro-cracks



Anti-dust

Panel surface has the same height of frame, avoiding dust accumulation



Easy-to-install

Quick-clamp mounting, no rails required

520W

Max-power

23.4%

Efficiency

0-+5W

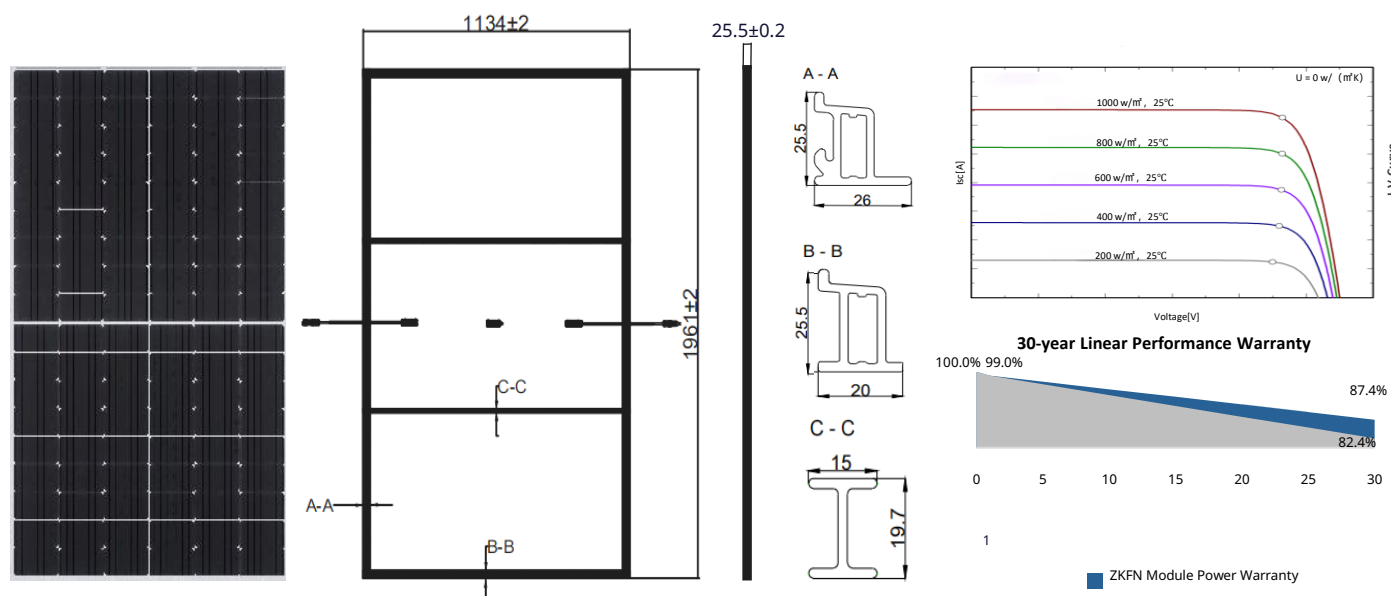
Power-tolerance

≤1%

First-year Degradation

≤0.4%

Annual Degradation from Year 2-30



Electrical performance parameters (STC:AM1.5 1000W/m² 25°C test error ±3%;NMOT:800W/m² 20°C 1m/s) Power Tolerance:0-+5W

Module Type	ZKFN-G2-222B 510		ZKFN-G2-222B 515		ZKFN-G2-222B 520	
	STC	NMOT	STC	NMOT	STC	NMOT
Pmax [W]	510	392.76	515	396.64	520	400.68
Vmp [V]	33.58	26.86	33.69	26.95	33.79	27.03
Imp [A]	15.19	14.28	15.29	14.37	15.4	14.48
Voc [V]	39.46	31.96	39.61	32.08	39.78	32.22
Isc [A]	15.83	14.94	15.78	14.99	15.84	15.05

Mechanical parameters

Cell Type	Topcon cell 182.3*105mm
Dimension	1961*1134*25.5mm
Glass	Single glass,1.6 mm heat-strengthened glass
Frame	High-strength glass-fiber resin composite
Weight	16.2kg
Output Line	4mm ² ,wire length 400mm (customizable)
Connector	Staubli Electrical Connectors AG – MC4 EVO2 Series
Junction-box	3 IP68-rated junction box

Temperature coefficient

Temperature-coefficient of PMPP	[%/°C]	-0.33
Temperature-coefficient of Voc	[%/°C]	-0.27
Temperature-coefficient of Isc	[%/°C]	+0.045
NOCT	[°C]	45±2

Application parameters

Max. System Voltage	DC 1500V
Power Tolerance	0-+5W
Operating Temperature Range	-40°C-+85°C
Max. Series Fuse Rating	25A
Mechanical Load	Front 3600Pa,back 2400Pa
Wind Resistance Class	Lv.17
Hailstone Test	25mm hailstone at the speed of 23m/s

Package

Transportation	Container size	Quantity (pcs)	Quantity (per pallet)
Container	40' HQ	720	40
Platform Trailer	13m	800	40
Platform Trailer	17.5m	1120	40



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*NOTE: ZKFN Solar reserves right to update the specification without notice. Please always obtain the most recent version of the datasheet.

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