

# SolarPega

TOPCON Light-weight Module 510-520W

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

Powered by TSR-Armor™ Technology

Quality Assurance



## Light-weight

Weight only 5.9kg/m<sup>2</sup>, about 50% of traditional panels



## Walkable

Panels can be stepped on, without cell micro-cracks



## Anti-dust

Frameless panel, rain self-cleans



## Easy-to-install

Structural adhesive bonding, no rails required

**520W**

Max-power

**23.4%**

Efficiency

**0-+5W**

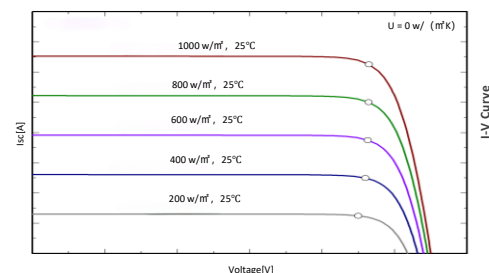
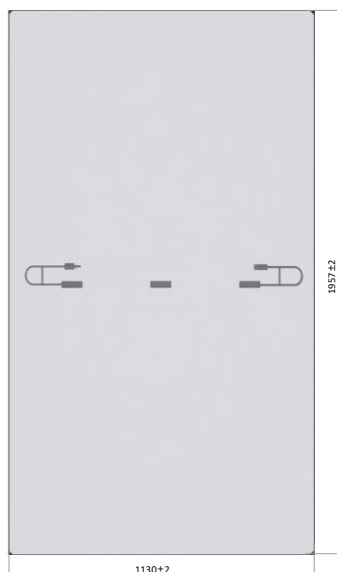
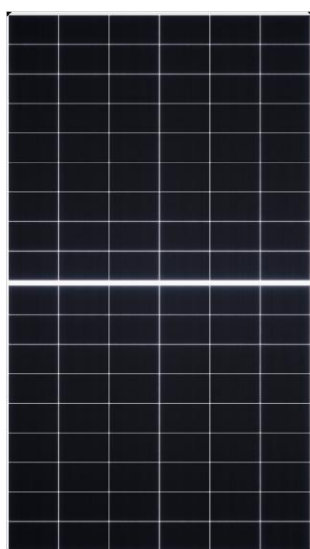
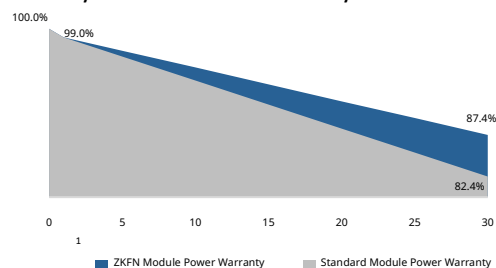
Power-tolerance

**≤1%**

First-year Degradation

**≤0.4%**

Annual Degradation from Year 2-30

**30-year Linear Performance Warranty**

### Electrical performance parameters (STC:AM1.5 1000W/m<sup>2</sup> 25°C test error ±3%;NMOT:800W/m<sup>2</sup> 20°C 1m/s) Power Tolerance:0-+5W

Module Type	ZKFN-G2-220B 510		ZKFN-G2-220B 515		ZKFN-G2-220B 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	1957*1130*2.7mm(junction box not included)
Glass	Single glass,1.6mm heat-strengthened glass
Weight	13.0kg
Output Line	4mm <sup>2</sup> ,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	1080	60
Platform Trailer	13m	1200	60
Platform Trailer	17.5m	1680	60



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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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