

# SolarPegaL

TOPCON Light-weight Module 500-510W

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

Powered by TSR-Armor™ Technology

## Quality Assurance



## Light-weight

Weight only 4.5kg/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

**510W**

Max-power

**22.9%**

Efficiency

**0-+5W**

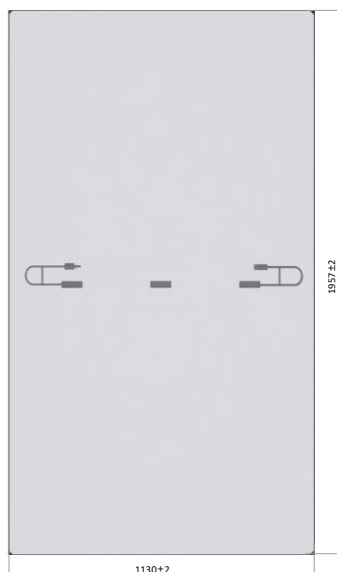
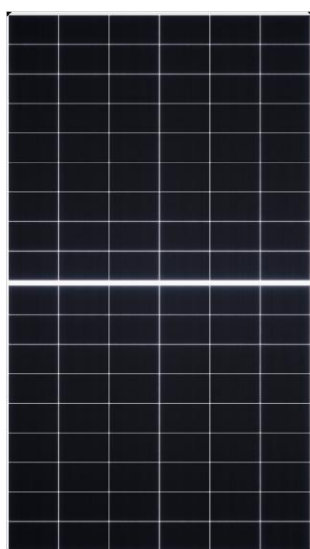
Power-tolerance

**≤1%**

First-year Degradation

**≤0.4%**

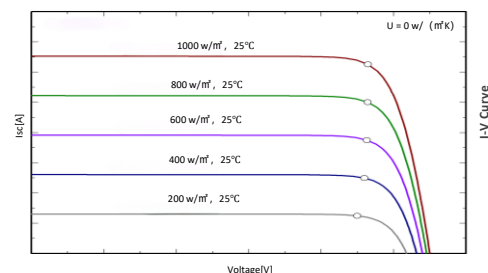
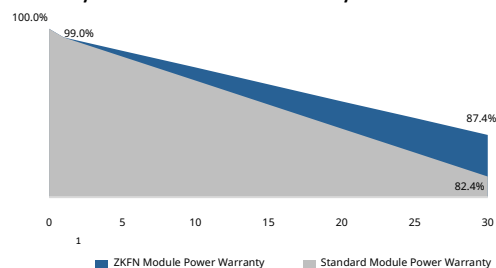
Annual Degradation from Year 2-30



2.2

16

97.5±1

**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-G2-120B 500		ZKFN-G2-120B 505		ZKFN-G2-120B 510	
	STC	NMOT	STC	NMOT	STC	NMOT
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT
Pmax [W]	500	385	505	388.8	510	392.7
Vmp [V]	33.76	27.00	33.85	27.08	33.91	27.13
Imp [A]	14.83	13.94	14.94	14.04	15.06	14.16
Voc [V]	39.72	32.17	39.87	32.29	40.03	32.42
Isc [A]	15.36	14.59	15.40	14.63	15.45	14.68

### Mechanical parameters

Cell Type	Topcon cell 182.3*105mm
Dimension	1957*1130*2.2mm
Glass	Single glass,1.1mm reinforced glass
Weight	10.0kg
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 2400Pa,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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