

# SolarPegaF-S

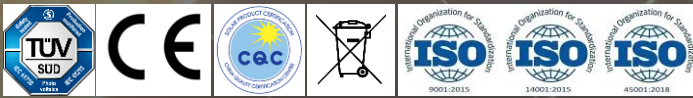
TOPCON Light-weight Module 510-520W

**Light-weight | Anti-fire | Walkable | Crack-free**

**Class A Fire Rated**

Powered by **TSR-Armor™** Technology

**Quality Assurance**



## Light-weight

Weight only  $8.1\text{kg/m}^2$ , about 50% of traditional panels



## Walkable

TSR-Armor™ Technology: Resistant to step-on and vibration without cell cracks and power losses.



## Class A Fire Rated

Fire-resistive backsheet & TSR-Armor™ enable industry's first Class A fire rated light-weight module



## Easy-to-install

Direct bonding with structural adhesive, improving efficiency by 50%.

**520W**

Max-power

**23.4%**

Efficiency

**0-+5W**

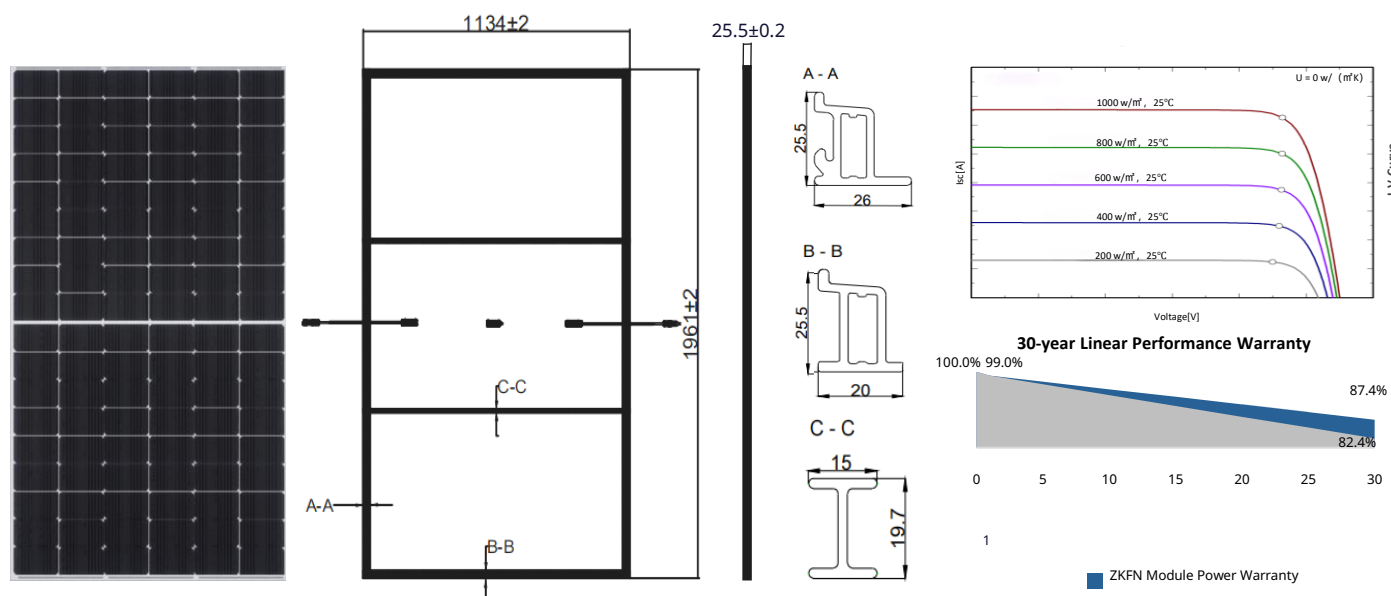
Power-tolerance

**≤1%**

First-year Degradation

**≤0.4%**

Annual Degradation from Year 2-30



### Electrical performance parameters (STC:AM1.5 1000W/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-G2-222B 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,1.6mm heat-strengthened glass
Frame	High-strength glass-fiber resin composite
Weight	17.9kg
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	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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