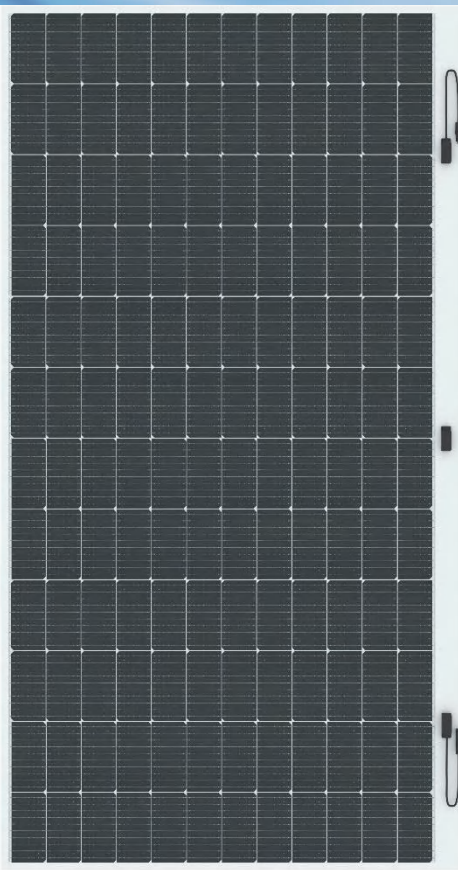




SpolarPV
Easy Invest, More Returns



19.25 %

Module efficiency

520 W

Highest power output



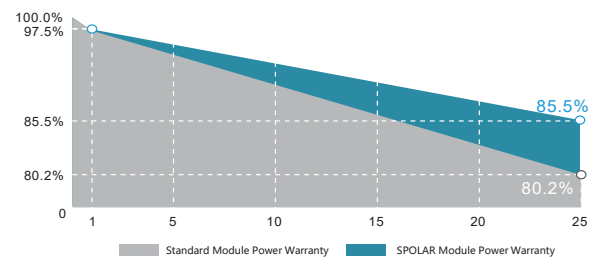
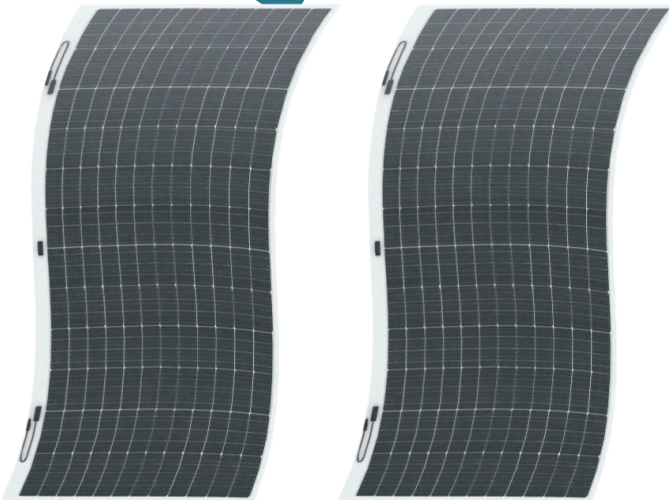
Product warranty



Linear power warranty

Flexible Solar Module

510-520Watt



Low-weight

Areal weight: 2.9 kg/m², Less than 30% of traditional glass-based solar modules



Thin

Thickness: 1.8 mm (junction box not included), Only 50% of traditional glass-based solar modules



Flexible

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



High-strength

World's only C-Si flexible module which can endure hail-strike without cell cracks and power losses



Easy-to-install

No need for PV support bracket, modules can be directly bonded to installation surface by weather-resistant glue



Aesthetics

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

Electrical Characteristics at Standard Test Conditions (STC)

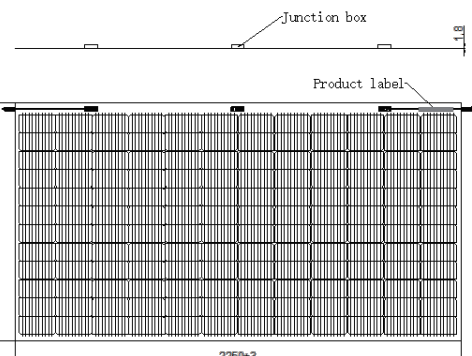
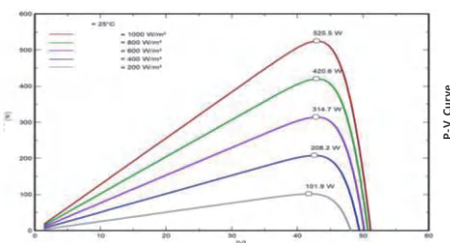
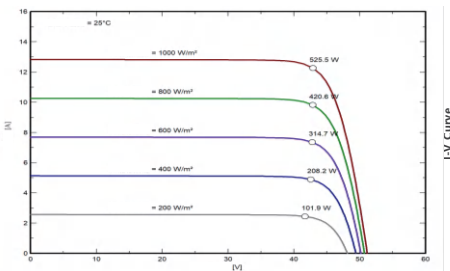
Module Type	SPV-FS-510	SPV-FS-515	SPV-FS-520
Maximum Power - Pmax (W)	510	515	520
Maximum Power Voltage - Vmp (V)	42.29	42.35	42.41
Maximum Power Current - Imp (A)	12.31	12.34	12.37
Open-circuit Voltage - Voc (V)	49.76	49.83	49.90
Short-circuit Current - Isc (A)	12.74	12.78	12.86
Module Efficiency STC (%)	18.88 %	19.07 %	19.25 %

Electrical Characteristics at Normal Operating Cell Temperature (NOCT)

Module Type	SPV-FS-510	SPV-FS-515	SPV-FS-520
Maximum Power - Pmax (W)	395	399	403
Maximum Power Voltage - Vmp (V)	39.37	39.43	39.49
Maximum Power Current - Imp (A)	10.37	10.40	10.43
Open-circuit Voltage - Voc (V)	46.10	46.17	46.24
Short-circuit Current - Isc (A)	10.72	10.76	10.84
Power Tolerance	0 ~ +5W	Operating Temperature (°C)	-40 °C ~ +85 °C
Temperature Coefficients of Pmax	-0.37% / °C	Maximum System Voltage	1500 V
Temperature Coefficients of Voc	-0.28% / °C	Maximum Series Fuse Rating	30 A
Temperature Coefficients of Isc	0.05% / °C	Nominal Operating Cell Temperature	45 ± 2 °C

Mechanical Characteristics

Cell Type	Mono-crystalline
No. of Cells	144 (12x12)
Dimensions	2250x1200x1.8 mm
Weight	2.9 kg/m ²
Encapsulant	POE
Frame	None
Junction Box	Triad Junction box IP68
Backboard Color	Black / White
Packaging Configuration	70pcs/pallet, 1260pcs/40'HQ Container



www.spolarpv.com