

POLYCRYSTALINES

Victron Energy Polycrystalines Solar PV modules.



Panel solar Victron Energy Policristalino

- Low voltage-temperature coefficient enhances high-temperature operation.
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum.
- 25-year limited warranty on power output and performance.
- 2-year Limited warranty on materials and workmanship.
- Sealed, waterproof, multi-functional junction box gives high level of safety.
- High performance bypass diodes minimize the power drop caused by shade.
- Advanced EVA (Ethylene Vinyl Acetate) encapsulation system with triple-layer back sheet meets the most stringent safety requirements for high-voltage operation.
- A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems.
- Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance.
- Pre wired quick-connect system with PV-ST01 connectors.

SPECIFICATIONS

	SPP20-12	SPP30-12	SPP45-12	SPP60-12	SPP90-12	SPP115-12	SPP130-12	SPP175-12	SPP270-20	SPP280-20	SPP330-24
Cells number				36					60		72
Cell type						Polycrystalline					
Maximum system voltage						1000 V					

Electrical specifications *

Rated power	Pmax	20 Wp	30 Wp	45 Wp	60 Wp	90 Wp	115 Wp	130 Wp	175 Wp	270 Wp	280 Wp	330 Wp
Power output tolerance		± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Maximum power voltage	Vmpp	18,4 V	18,2 V	19,1 V	19,3 V	19,5 V	18,94 V	18,5 V	18,3 V	31,7 V	31,9 V	37,3 V
Open circuit voltage	Voc	21,96 V	21,80 V	22,90 V	23,10 V	23,44 V	22,73 V	22,71 V	21,9 V	38,04 V	39,13 V	44,72 V
Maximum power current	Imp	1,09 A	1,66 A	2,36 A	3,12 A	4,61 A	6,08 A	7,02 A	9,56 A	8,52 A	8,77 A	8,86 A
Short circuit current	Isc	1,18 A	1,80 A	2,55 A	3,37 A	4,98 A	6,56 A	7,39 A	10,24 A	9,21 A	9,23 A	9,57 A

Temperature ratings

Open circuit voltage coefficient	Tk Voc	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C	-0,35 % / °C
Short circuit current coefficient	Tk Isc	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C	0,04 % / °C
Power coefficient	Tk P	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C	-0,45 % / °C
Operational temperature		-40 to +85 °C										

Other specifications

Dimensions	mm	440x350x25	655x350x25	425x668x25	545x668x25	780x668x30	1015x668x30	1200x668x30	1485x668x30	1640x992x35	1650x992x35	1956x992x40
Weight		1,9 Kg	2,8 Kg	3,1 Kg	4 Kg	6,1 Kg	8 Kg	9,1 Kg	12 Kg	18,4 Kg	18,4 Kg	22,5 Kg
Connection box		Connection box with by-pass diodes										
Cable		No Cable	No Cable	No Cable	No Cable	900 mm	900 mm	900 mm	900 mm	900 mm	900 mm	900 mm
Connector		-	-	-	-	MC4	MC4	MC4	MC4	MC4	MC4	MC4
Warranty		Product: 5 years against manufacturing defects. Production: 90% during 10 years, 80% during 25 years.										

* Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

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