

# 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

	SPP30- 12	SPP51- 12	SPP81- 12	SPP101- 12	SPP140- 12	SPP280- 24
Cells number			36			72
Cell type	Polycrystalline					
Maximum system voltage	1000 V					

Rated power	Pmax	30 Wp	50 Wp	80 Wp	100 Wp	140 Wp	280 Wp
Power output tolerance		± 3%	± 3%	± 3%	± 3%	± 3%	± 3%
Maximum power voltage	Vmpp	18,00 V	18,00 V	18,00 V	18,00 V	18,00 V	36,00 V
Open circuit voltage	Voc	22,50 V	22,20 V	21,60 V	21,60 V	21,60 V	44,06 V
Maximum power current	Imp	1,72 A	2,85 A	4,60 A	5,75 A	8,05 A	7,70 A
Short circuit current	Isc	1,85 A	3,09 A	5,06 A	6,32 A	8,85 A	8,26 A

### Temperature ratings

Open circuit voltage coefficient	Tk Voc	-0,34 % / °C	-0,34 % / °C	-0,34 % / °C	-0,34 % / °C	-0,35 % / °C	-0,34 % / °C
Short circuit current coefficient	Tk Isc	0,045 % / °C	0,037 % / °C	0,037 % / °C	0,037 % / °C	0,037 % / °C	0,045 % / °C
Power coefficient	Tk P	-0,47 % / °C	-0,48 % / °C	-0,48 % / °C	-0,48 % / °C	-0,48 % / °C	-0,48 % / °C
Operational temperature		-40 to +85 °C					

### Other specifications

Dimensions	735 x 350 x 25	540 x 670 x 35	915 x 670 x 35	1005 x 670 x 35	1480 x 670 x 35	1956 x 992 x 50
Weight	5,2 Kg	5,3 Kg	8 Kg	9 Kg	12,5 Kg	24 Kg
Connection box	Connection box with by-pass diodes					
Cable	450 mm	750 mm	900 mm	900 mm	900 mm	900 mm
Connector	MC4	MC4	MC4	MC4	MC4	MC4
Warranty	Product: 2 years against manufacturing defects. Production: 90% during 10 years, 80% during 25 years.					

\* Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C)

## DOWNLOADS



Catálogo General  
Bornay 14-15  
(10.41 MiB)