

MONOCRYSTALINES

Victron Energy Monocrystalline Solar PV modules.



Panel Solar Victron Energy Monocrystalino



Panel Solar Monocrystalino Victron Energy

- 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

Cells number	36	72
Cell type	Monocrystalline	
Maximum system voltage	1000 V	

Electrical specifications *

Rated power	Pmax	30 Wp	50 Wp	80 Wp	100 Wp	130 Wp	190 Wp	300 Wp
Power output tolerance		± 3%	± 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	36,00 V
Open circuit voltage	Voc	22,50 V	22,20 V	22,30 V	22,40 V	21,40 V	43,20 V	45,50 V
Maximum power current	Imp	1,67 A	2,78 A	4,45 A	5,56 A	7,23 A	5,44 A	8,06 A
Short circuit current	Isc	2,00 A	3,16 A	4,96 A	6,53 A	8,03 A	5,98 A	8,56 A

Temperature ratings

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

Other specifications

Dimensions	430x545x25	630x545x25	1195x545x35	1195x545x35	1480x673x35	1580x808x35	1956x992x50
Weight	2,5 Kg	4 Kg	8 Kg	8 Kg	12 Kg	15 Kg	24 Kg
Connection box	Connection box with by-pass diodes						
Cable	No Cable	No Cable	900 mm	900 mm	900 mm	900 mm	900 mm
Connector	-	-	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/m², Cell Temperature 25°C)

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