

BlueSolar Polycrystalline Panels

www.victronenergy.com



BlueSolar Polycrystalline 130W

- 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 MC4 (PV-ST01) connectors.



MC4 connectors

Type	Module Size	Glass size	Weight	Electrical data under STC ⁽¹⁾				
				Nominal Power	Max-Power Voltage	Max-Power Current	Open-Circuit Voltage	Short-circuit Current
				P _{MPP}	V _{MPP}	I _{MPP}	V _{oc}	I _{sc}
Module	mm	mm	Kg	W	V	A	V	A
SPP30-12	735x350x25	730x345	3.5	30	18	1.66	21.6	1.83
SPP50-12	610x670x35	605x665	5	50	18	2.85	22.19	3.09
SPP80-12	950x670x35	945x665	8.2	80	18	4.58	22.25	4.98
SPP100-12	1150x670x35	1145x665	11.8	100	18	5.72	22.36	6.12
SPP130-12	1480x680x35	1474x674	12.5	130	18	7.43	22.4	8.02
SPP280-24	1956x992x50	1950x986	24	280	36	7.89	44.25	8.76
Module		SPP30-12	SPP50-12	SPP80-12	SPP100-12	SPP130-12	SPP280-24	
Nominal Power (±3% tolerance)		30W	50W	80W	100W	130W	280W	
Cell type		Polycrystalline						
Number of cells in series		36						72
Maximum system voltage (V)		1000V						
Temperature coefficient of PMPP (%)		-0.47/°C	-0.47/°C	-0.47/°C	-0.47/°C	-0.47/°C	-0.47/°C	
Temperature coefficient of Voc (%)		-0.35/°C	-0.35/°C	-0.34/°C	-0.34/°C	-0.35/°C	-0.35/°C	
Temperature coefficient of Isc (%)		+0.05/°C	+0.05/°C	+0.045/°C	+0.045/°C	+0.05/°C	+0.045/°C	
Temperature Range		-40°C to +80°C						
Surface Maximum Load Capacity		200kg/m ²						
Allowable Hail Load		23m/s, 7.53g						
Junction Box Type		PV-JH03-2	PV-JH02	PV-JH02	PV-JH02	PV-JH02	PV-JH200	
Connector Type		No connector	MC4					
Length of Cables		450mm	750mm	900mm			1000mm	
Output tolerance		+/-3%						
Frame		Aluminium						
Product warranty		2 years						
Warranty on electrical performance		10 years 90% + 25 years 80% of power output						
Smallest packaging unit		1 panel						
Quantity per pallet		40 panels	40 panels	20 panels	20 panels	20 panels	20 panels	

1) STC (Standard Test Conditions): 1000W/m², 25°C, AM (Air Mass) 1.5