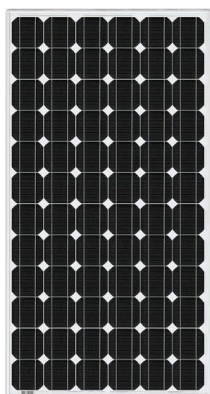


BlueSolar Monocrystalline Panels

Latest models

www.victronenergy.com



- 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.
- 5-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 aluminium 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.
- High power models with pre-wired quick-connect system with MC4 (PV-ST01) connectors.

BlueSolar Monocrystalline 305W

Article Number	Description	Net 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}
		Kg	W	V	A	V	A
SPM040203603	20W-36 cells Mono 275 x 450 x 25mm series 4c	1.3	20	21.3	0.95	24.7	1.99
SPM040303603	30W-36 cells Mono 380 x 450 x 25 mm series 4c	1.8	30	21.2	1.42	24.7	1.49
SPM040553603	55W-36 cells Mono 715 x 445 x 25 mm series 4c	3.34	55	21.0	2.63	24.8	2.79
SPM040953003	95W-30 cells Mono 770 x 668 x 30 mm series 4c	5.4	95	17.6	5.42	20.4	5.7
SPM041303603	130W-36 cells Mono 1020 x 668 x 30 mm series 4c	7.1	130	21.1	6.18	24.80	6.53
SPM041903903	190W-39 cells Mono 1485 x 668 x 30 mm series 4c	10.5	190	21.8	8.71	25.5	9.17
SPM042855603	285W-56 cells Mono 1550 x 880 x 35 mm series 4c	14.32	285	33.4	8.63	38.9	9.08
SPM043456803	345W-68 cells Mono 1870 x 880 x 35 mm series 4c	17.28	345	38.7	8.80	45.20	9.27
SPM043657203	365W-72 cells Mono 1980 x 880 x 35mm series 4c	18.3	365	41.4	8.83	48.40	9.30

Module	SPM 040203603	SPM 040303603	SPM 040553603	SPM 040953003	SPM 041303603	SPM 041903903	SPM 042855603	SPM 043456803	SPM 043657203
Nominal Power (±3%)	20W	30W	55W	95W	130W	190W	285W	345W	365W
Number of cells in series	36	36	36	30	36	39	56	68	72
Efficiency	16,16%	17,89%	17,29%	18,47%	19,10%	19,16%	20,89%	20,96%	20,95%
Maximum system voltage	1000V								
Temperature coefficient of MPP (%)	-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
Temperature coefficient of 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
Temperature coefficient of 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
Temperature Range	-40°C to +85°C								
Surface Maximum Load Capacity	200 kg/m ²								
Allowable Hail Load	23 m/s, 7.53 g								
Junction Box with bypass diode	PV-LH0802	PV-LH0806	PV-LH0801	PV-LH0801	PV-LH0808-1	LH0808	LH858B	LH858B	LH858B
Length of Cables / Connector Type	No cable			900 mm MC4					
Output tolerance	+/-3%								
Frame	Aluminium								
Product warranty	5 years								
Warranty on electrical performance	10 years 90% + 25 years 80% of power output								
Smallest packaging unit	1 panel								
Quantity per pallet	450	360	195	72	72	29	26	26	26

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