BlueSolar Monocrystalline Panels

Latest models

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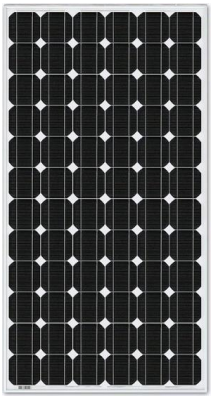

BlueSolar Monocrystalline 305W

- 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.

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}	Voc	Isc
		Kg	W	V	A	V	A
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

Module	SPM040303603	SPM040553603	SPM040953003
Nominal Power (±3% tolerance)	30W	55W	95W
Cell type	Monocrystalline		
Number of cells in series	36		30
Maximum system voltage	1000V		
Temperature coefficient of MPP (%)	-0.45/°C	-0.45/°C	-0.45/°C
Temperature coefficient of Voc (%)	-0.35/°C	-0.35/°C	-0.35/°C
Temperature coefficient of Isc (%)	+0.04/°C	+0.04/°C	+0.04/°C
Temperature Range	-40°C to +85°C		
Surface Maximum Load Capacity	200 kg/m²		
Allowable Hail Load	23 m/s, 7.53 g		
Junction Box Type	PV-LH0806	PV-LH0801	
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	360	195	72

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

Victron Energy B.V. | De Paal 35 | 1351 JG Almere | The Netherlands
E-mail: sales@victronenergy.com
www.victronenergy.com