

## BlueSolar Monocrystalline Panels

www.victronenergy.com



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.



	Description					Electrical data under STC (1)						
Article Number				Net Weig		minal M wer	Max-Power Voltage V <sub>MPP</sub>	Max-Power Current IMPP	Open-Ci Voltaç		Short-Circuit Current Isc	
					Pi	ИРР			Voc	:		
				Kg	1	W	V	А	V		А	
SPM040201200 20W-12V Mono 440 x 350 x 25mm series			nm series 4a	1.9	2	20	18.5	1.09	22.6	5	1.19	
SPM040301200 30W-12V Mor		no 560 x 350 x 25mm series 4a		2.2	3	30	18.7	1.61	22.8	7	1.76	
SPM040401200 40W-12V Mono 425 x 66		no 425 x 668 x 25n	nm series 4a	3.1	4	10	18.3	2.19	22.4	5	2.40	
SPM040551200 55W-12V Mono 545 x 668 x 25m		nm series 4a	4	Į.	55	18.8	2.94	22.9		3.22		
SPM040901200 90W-12V Mono 780 x 668 x 30mm series 4		nm series 4a	6.1	ġ	90	19.6	4.59	4.59 24.06		5.03		
PM041151200 115W-12V Mono 1015 x 668 x 30		mm series 4a	8	1	15	19.0	6.04	23.32		6.61		
SPM041751200	41751200 175W-12V Mono 1485 x 668 x 30mm series 4a		mm series 4a	11		75	19.4	9.03	23.7	7	9.89	
SPM042152400	215W-24V Mono 1580 x 808 x 35mm serie		imm series 4a	15	2	15	37.4	5.75	45.82		6.30	
SPM043052000	PM043052000 305W-20V Mor		no 1640 x 992 x 35mm series 4a		3	05	32.5	9.38	39.7	7	10.27	
SPM043602400 360W-24V Mo		no 1956 x 992 x 40mm series 4a		22	3	60	38.4	9.38	47.4	1	10.24	
Module		SPM 040201200	SPM 040301200	SPM 04040120	SPM 040551200	SPM 040901200	SPM 041151200	SPM 041751200	SPM 042152400	SPM 043052000	SPM 04360240	
Nominal Power (±3% tolerance)		20W	30W	40W	55W	90W	115W	175W	215W	305W	360W	
Cell type		Monocrystalline										
Number of cells in series		36 72 60 72										
Maximum system volt	age						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	-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	-0.35/°C	
Temperature coefficient of lsc (%)		+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	+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-LH0805		PV-LH0	806	PV-LH0801	F	PV-LH0808	PV-LH0701		PV-JB002	
Length of Cables / Connector Type		No cable						900	mm MC4			
Output tolerance							+/-3%					
rame						Alu	uminium					
Product warranty						5	years					
Varranty on electrical	performance				10	years 90% + 25 y	ears 80% of powe	er output				
Smallest packaging un	it					1	panel					
Quantity per pallet		380	260	180	140	90	80	36	32	32	37	

