

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
SPP040201200	20W-12V Poly 440 x 350 x 25mm series 4a	1.9	20	18.4	1.09	21.96	1.18
SPP040301200	30W-12V Poly 655 x 350 x 25mm series 4a	2.8	30	18.2	1.66	21.80	1.80
SPP040451200	45W-12V Poly 425 x 668 x 25mm series 4a	3.1	45	19.1	2.36	22.90	2.55
SPP040601200	60W-12V Poly 545 x 668 x 25mm series 4a	4	60	19.3	3.12	23.10	3.37
SPP040901200	90W-12V Poly 780 x 668 x 30mm series 4a	6.1	90	19.5	4.61	23.44	4.98
SPP041151200	115W-12V Poly 1015 x 668 x 30mm series 4a	8	115	18.9	6.08	22.73	6.56
SPP041751200	175W-12V Poly 1485 x 668 x 30mm series 4a	12	175	18,3	9.56	21.9	10.24
SPP042702000	270W-20V Poly 1640 x 992 x 35mm series 4a	18.4	270	31.7	8.52	38.04	9.21
SPP043302400	330W-24V Poly 1956 x 992 x 40mm series 4a	22.5	330	37.3	8.86	44.72	9.57

Module	SPP 040201200	SPP 040301200	SPP 040451200	SPP 040601200	SPP 040901200	SPP 041151200	SPP 041751200	SPP 042702000	SPP 043302400
Nominal Power (± 3% tolerance)	20W	30W	45W	60W	90W	115W	175W	270W	330W
Cell type	Polycrystalline								
Number of cells in series	36							60	72
Maximum system voltage (V)	1000V								
Temperature coefficient of P _{MPP} (%)	-0.45/°C	-0.45/°C	-0.45/°C	-0.45/°C	-0.45/°C	-0.45/°C	-0.45/°C	-0.47/°C	-0.45/°C
Temperature coefficient of V _{oc} (%)	-0.35/°C	-0.35/°C	-0.35/°C	-0.35/°C	-0.35/°C	-0.35/°C	-0.35/°C	-0.34/°C	-0.35/°C
Temperature coefficient of I _{sc} (%)	+0.04/°C	+0.04/°C	+0.04/°C	+0.04/°C	+0.04/°C	+0.04/°C	+0.04/°C	+0.045/°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-LH0806		PV-LH0801		PV-LH0808		PV-JB002	
Length of Cable / connector	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	380	240	200	140	72	72	48	42	37

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