



- Low voltage-temperature coefficient enhances high-temperature operation.
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum.
- 10-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 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.



MC4connectors

Model	Description	Weight	Electrical data under STC (1)				
			Nominal Power	Max-Power Voltage	Max-Power Current	Open-Circuit Voltage	Short-Circuit Current
			PMPP	VMPP	IMPP	VOC	ISC
			Kg	W	V	A	V
SZ-20-32M	20-12V-MONO360mm*490mm*25mm	2	20	16.2	1.23	19.1	1.47
SZ-30-36M	30-12V-MONO360mm*540mm*25mm	3	30	18.2	1.65	21.5	1.98
SZ-40-36M	40-12V-MONO670mm*430mm*25mm	3.7	40	18.2	2.2	21.5	2.51
SZ-50-36M	50-12V-MONO670mm*540mm*30mm	4.1	50	18.2	2.75	21.5	2.23
SZ-60-40M	60-12V-MONO 670mm*600mm*30mm	6	60	20.2	2.97	23.9	3.44
SZ-80-36M	80-12V-MONO670mm*770mm*30mm	7.6	80	18.2	4.4	21.5	4.91

Model	SZ-20-32M	SZ-30-36M	SZ-40-36M	SZ-50-36M	SZ-60-40M	SZ-80-36M
Nominal Power (±3% tolerance)	20W	30W	40W	50W	60W	80W
Cell type	Monocrystalline					
Number of cells in series	32	36	36	36	40	36
Maximum system voltage (V)	500V					
Temperature coefficient of PMPP (%)	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C
Temperature coefficient of Voc (%)	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C
Temperature coefficient of Isc (%)	+0.037/°C	+0.037/°C	+0.037/°C	+0.037/°C	+0.05/°C	+0.037/°C
Temperature Range	-40°C to +85°C					
Surface Maximum Load Capacity	120 kg/m ²					
Allowable Hail Load	100 kg/m ²					
Length of Cables / Connector Type	20 m/s, 6 g					
Output tolerance	+3%					
Frame	Aluminium					
Product warranty	2 years					
Smallest packaging unit	1 panel individual					

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



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Model	Description	Weight	Electrical data under STC (1)				
			Nominal Power	Max-Power Voltage	Max-Power Current	Open-Circuit Voltage	Short-Circuit Current
			PMPP	VMPP	IMPP	VOC	ISC
			Kg	W	V	A	V
SZ-100-36M	100W-12VMono670mm*1020mm*35mm	7.6	100	16.7	5.99	19.7	6.51
SZ-100-33M	100W-12VMono510mm*1200mm*35mm	7.6	100	16.7	5.99	19.7	6.51
SZ-110-36M	110W-12VMono 670mm*1200mm*35mm	7.6	110	16.7	6.58	19.7	7.09
SZ-120-36M	120W-12VMono 670mm*1120mm*35mm	8.2	120	18.2	6.59	21.5	7.08
SZ-150-36M	150W-12VMono 670mm*1480mm*35mm	12	150	18.2	8.24	21.5	8.72
SZ-160-36M	160W-12VMono 670mm*1480mm*35mm	12	160	18.2	8.79	21.5	9.31
SZ-180-36M	180W-12VMono670mm*1480mm*35mm	12	180	18.2	9.89	21.5	10.41

Model	SZ-100-36M	SZ-100-33M	SZ-110-36M	SZ-120-36M	SZ-150-36M	SZ-160-36M	SZ-180-36M
Nominal Power (±3% tolerance)	100W	100W	110W	120W	150W	160W	180W
Cell type	Monocrystalline						
Number of cells in series	36	33	36	36	36	36	36
Maximum system voltage (V)	500V						
Temperature coefficient of PMPP (%)	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C	-0.48/°C
Temperature coefficient of Voc (%)	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C	-0.34/°C
Temperature coefficient of Isc (%)	+0.037/°C	+0.037/°C	+0.037/°C	+0.037/°C	+0.05/°C	+0.037/°C	+0.037/°C
Temperature Range	-40°C to +85°C						
Surface Maximum Load Capacity	120 kg/m ²						
Allowable Hail Load	100 kg/m ²						
Length of Cables / Connector Type	20 m/s, 6 g						
Output tolerance	+3%						
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