



GREEN ENERGIE SOLAR GmbH

# SOLAR PANELS

## Mono rigid 100-180W

• 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.

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	A
SZ-100-36M	100W-12VMono 670mm*1020mm*35mm	7.6	100	16.7	5.99	19.7	6.51
SZ-100-33M	100W-12VMono 510mm*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-12VMono 670mm*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
Connector Type	Mc4						
Output tolerance	+3%						
Frame	Aluminium						
Product warranty	2 years						
Smallest packaging unit	1 panel individual						

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

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www.e-solare.com

