

MSK Solar Design Line™

Just Roof™

Proven Reliability in 4000 homes



Just Roof is a building integrated PV system designed to form the complete roof, replacing tiles or other roof coverings. The Just Roof BIPV system has been installed on more than 4000 homes since its introduction in 1994. Due to Just Roof's built-in reliability, there has not been a single instance of water leakage. This wealth of experience in the field combined with 14 years of continuous kaizen improvement means that Just Roof is the world's most proven, practical BIPV system, giving you complete peace of mind.

Reasons to choose Suntech Just Roof

Superior Aesthetics:

all black design and interlocking modules

Proven Reliability:

multiple waterproofing features and 14 years real world experience

High Efficiency:

high efficiency monocrystalline cells give up to 132Wp/m²

Quick, Easy installation:

Simple mounting system allows installation within one working day.

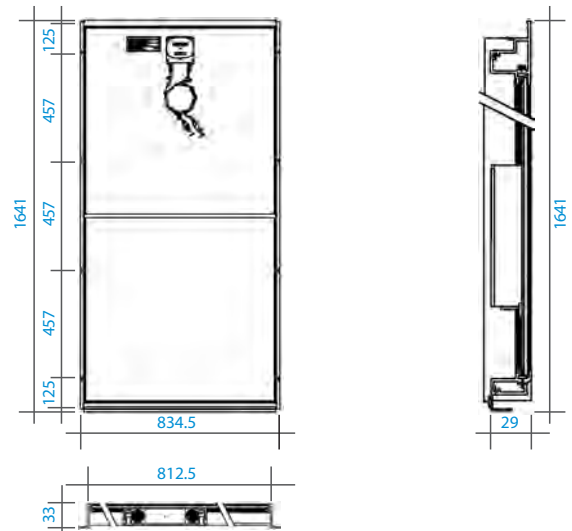
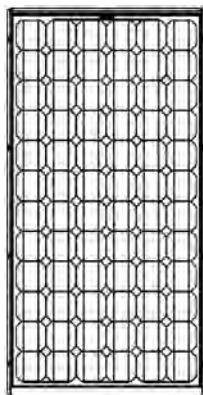
**SUNTECH**

Technical Specifications

	MSZ-180B-C	MSZ-175B-C	MSZ-170B-C	MSZ-165B-C	MSZ-160B-C	MSZ-150B-C	MSZ-140B-C	MSZ-180D-C	MSZ-175D-C	MSZ-170D-C	MSZ-165D-C	MSZ-160D-C	MSZ-150D-C	MSZ-140D-C
P_{max} [Wp] (±5%)	180	175	170	165	160	150	140	180	175	170	165	160	150	140
V_{mp} [V] (±10%)	35.6	35.2	35.2	34.8	34.4	34.4	34.0	35.6	35.2	35.2	34.8	34.4	34.4	34.0
I_{mp} [A] (±10%)	5.05	4.95	4.83	4.74	4.65	4.36	4.12	5.05	4.95	4.83	4.74	4.65	4.36	4.12
V_{oc} [V] (±10%)	44.4	44.2	43.8	43.6	43.2	43.2	42.6	44.4	44.2	43.8	43.6	43.2	43.2	42.6
I_{sc} [A] (±10%)	5.29	5.23	5.15	5.05	4.95	4.72	4.49	5.29	5.23	5.15	5.05	4.95	4.72	4.49
Weight [kg]	15													
Length [mm]	1641 (Mounting length 1621)													
Width [mm]	834.5 (Mounting width 841)													
Depth [mm]	33													
Glass thickness [mm]	3.2													
Cells	72 x monocrystalline 125x125mm							72 x polycrystalline 125x125mm						
No of diodes	3													
Frame	Anodized black aluminium interlocking frame													
Backsheet	Black, white or clear (for white backsheet final "C" in model number changes to "D", for clear backsheet, "E")													
Junction box, cable, connectors	Tyco													
Installation method	Modules mounted in portrait mode on vertical aluminium rails. Capping rail between modules screws into aluminium rail for added aesthetics and waterproofing.													
Installation time	Under 1 day for complete residential system													
Installation angle [°]	5 to 45													
Wind load [Pa]	2400													
Snow load [Pa]	2400													
Resistance to salt air	Over 1km from coast													
Current Temperature Coefficient [mV / °C]	+1.12							+1.26						
Voltage Temperature Coefficient [mA / °C]	-179							-161						
Power Temperature Coefficient [% / °C]	-0.55							-0.50						
NOCT [°C]	48±2							45±2						
Max system voltage [V]	1000													
Warranty	Two-year warranty for malfunctions or defects in materials and manufacturing Power warranty: minimum 90% after 12 years, 80% after 25 years													
Certification	IEC, CSTB Pending													



Photos on reverse show previous model of Just Roof



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