

Mono 36Cells Series (25 Watt to 90 Watt)

Our Mono Crystalline Series product widely use in Solar Integrated Street Light (Solar all in one street light), also this product suites with MPPT charge controller.

- Small Home Lighting System
- Solar Street Light
- Solar Torch
- Mobile Charger
- Solar Telecom solution
- Electrical Vehicle Charging station
- Roof Top Off Grid solution
- Traffic control System
- Solar Water Pumps

Electrical Characteristics

Module Type	S2EM025	S2EM030	S2EM040	S2EM050	S2EM060	S2EM075	S2EM090
Pmax (W)	25.00	30.00	40.00	50.00	60.00	75.00	90.00
Vmax (V)	20.74	20.74	20.74	20.74	20.74	20.74	20.06
Imax (A)	1.22	1.48	1.96	2.45	3.02	3.64	4.60
Voc (V)	24.54	24.54	24.54	24.54	24.54	24.54	23.57
Isc (A)	1.30	1.58	2.09	2.61	3.22	3.88	4.86
Module Efficiency (%)	>15.00	>15	>16	>17	>17	>18	17.50

Mechanical Characteristics

L X W X T	440X355X 17	545X355X 17	640X355X 30 / 35	425X665X 30 / 35	505X665X 30 / 35	605X665 X 30 / 35	775X665X 30 / 35
Mounting Hole (Y)mm	240.00	240.00	300.00	260.00	300.00	300.00	500.00
Mounting Hole (X)mm	332.00	332.00	326.00	636.00	636.00	636.00	636.00
Cell Per Module/Arrangement	36 / 18X2	36 / 18X2	36 / 18X2	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4
Cell Type	Mono PERC						
Front Cover (Material/Thickness)	tempered & Low Iron Glass , 3.2 / 4.0mm						
Encapsulate	Ethylene Vinyl Acetate						
Frame	Anodized Aluminium						
JB	IP65 Rated with bypass diode						
Connector	As per Customer Requirement (Optional)						
Cable	As per Customer Requirement (Optional)						

*Standard Test condition (STC): 1000W/m² irradiance, Air Mass 1.5 and 25°C cell temperature. Measuring Uncertainty +/-3%

Refer installation manual instructions & sun2earth warranty statement for terms and condition.

Sun2Earth Solar reserves the right to change the specifications without prior notice.

Mono 36Cells Series (100 Watt to 200 Watt)

Key Feature:

- 1) Excellent module efficiency Solar cell efficiency up to 22.2% Module efficiency up to 18%
- 2) High performance Higher PV Energy yield even under low light and cloudy conditions
- 3) Reliability Premium quality raw materials and advanced manufacturing processes guarantees the reliability of our modules
- 4) Positive tolerance of up to 3% delivers higher output reliability for our all modules.
- 5) EL Tested (ELECTRO LUMINESCENCE) 100% EL double inspection
- 6) PID resistant and free of snail trails Increased module robustness to minimize micro-cracks
- 7) Resistant: PID Resistant

Electrical Characteristics

Module Type	S2EM100	S2EM120	S2EM150	S2EM190	S2EM200	S2EM250	S2EM270
Pmax (W)	100.00	120.00	150.00	190.00	200.00	250.00	270.00
Vmax (V)	20.74	20.74	20.74	20.67	20.74	41.47	41.47
I _{max} (A)	4.89	6.04	7.37	9.56	9.79	6.04	6.53
Voc (V)	24.54	24.54	24.54	24.39	24.54	49.10	49.10
I _{sc} (A)	5.21	6.43	7.93	10.13	10.43	6.43	6.96
Module Efficiency (%)	>19	>18	>19	>19	>20	>19	>20

Mechanical Characteristics

L X W X T	775X665 X 30 / 35	1010X665 X35	1155X665 X35	1485X665 X35	1485X665 X35	1335X990 X35	1335X990 X35
Mounting Hole (Y)mm	500.00	600.00	600.00	660.00	660.00	750.00	750.00
Mounting Hole (X)mm	636.00	636.00	636.00	636.00	636.00	961.00	961.00
Cell Per Module/Arrangement	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4	72 / 12X6	72 / 12X6
Cell Type	Mono PERC						
Front Cover (Material/Thickness)	tempered & Low Iron Glass , 3.2 / 4.0mm						
Encapsulate	Ethylene Vinyl Acetate						
Frame	Anodized Aluminium						
JB	IP65 Rated with bypass diode						
Connector	As per Customer Requirement (Optional)						
Cable	As per Customer Requirement (Optional)						

*Standard Test condition (STC): 1000W/m² irradiance, Air Mass 1.5 and 25°C cell temperature. Measuring Uncertainty +/-3%

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