

# Ujjaval Series (40 Watt to 165 Watt)

## 36 Cells

### S2E040 to S2E165

Ujjaval Series (36 Cells) Solar Module generally used for off-grid solar system to charge 12V battery which can be used in the daily requirements, These off grid products such as solar street lights, solar home lighting kits, solar water heaters, solar chargers, solar cooker etc are a boon to those living in remote villages and areas which lack the grid connectivity and therefore live in dark.

We are manufacturing high quality of 36 Cells modules, wherein you get a wide range of panels which can be used for the manufacturing of such products to meet your off-grid power requirements, Ujjaval series used for below application.

- Solar Street Light
- Solar Telecom solution
- Electrical Vehicle Charging station
- Roof Top Off Grid solution
- Traffic control System
- Solar Water Pumps

#### Electrical Characteristics

Module Type	S2E040	S2E050	S2E060	S2E075 / S2E080	S2E100 / S2E110	S2E125	S2E160 / S2E165
Pmax (W)	40.00	50.00	60.00	75 / 80	100 / 110	125.00	160 / 165
Vmax (V)	19.41	19.41	19.41	19.41	19.41	19.41	19.41 / 19.63
I <sub>max</sub> (A)	2.10	2.62	3.16	3.91 / 4.20	5.25 / 5.68	6.48	8.41 / 8.47
Voc (V)	22.96	22.96	22.96	22.96	22.96	22.96	22.96 / 23.10
Isc (A)	2.24	2.79	3.36	4.16 / 4.47	5.58 / 6.04	6.89	8.94 / 8.98
Module Efficiency (%)	13.95	14.59	14.55	14.64 / 15.60	14.59 / 16.05	16.34	16.20 / 16.70

#### Mechanical Characteristics

L X W X T	430 X 665 X 30 / 35	515 X 665 X 30 / 35	605 X 665 X 30 / 35	775 X 665 X 30 / 35	1010 X 665 X 35	1155 X 665 X 35	1485 X 665 X 35
Mounting Hole (Y)mm	260.00	300.00	300.00	500.00	600.00	600.00	660.00
Mounting Hole (X)mm	636.00	636.00	636.00	636.00	636.00	636.00	636.00
Cell Per Module/Arrangement	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4	36 / 9X4
Cell Type	Polycrystalline						
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/m<sup>2</sup> 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.

