

POLYCRYSTALLINE SOLAR MODULE (36 CELLS)

Exide's 36 cell Polycrystalline Silicon Solar Module Series offer wide range of products from 40W to 160W suitable for off-grid solar lighting systems. High quality of the modules ensure long lasting service even in adverse weather conditions.



FEATURES

- Excellent power output with positive tolerance
- Superior mechanical strength
- High glass transmittance for better light absorption
- Superior performance with low temperature co-efficient

SPECIFICATIONS

Model	EIL40P36	EIL50P36	EIL75P36	EIL100P36	EIL125P36	EIL160P36
Electrical Characteristics*						
Pmax (Wp)	40	50	75	100	125	160
Power Tolerance	0 to +4.99 W					
Module Efficiency (%)	14.15	14.86	14.37	15.27	16.42	16.15
Vmp (V)	18.37	19.84	18.67	18.83	17.58	18.91
Imp (A)	2.21	2.54	4.02	5.34	7.13	8.47
Voc (V)	22.7	22.7	22.7	22.7	22.5	22.8
Isc (A)	2.5	2.91	4.29	5.78	7.4	9.05
NOCT (°C)	45±2°C					
Maximum System Voltage (V)	1000					
Mechanical Characteristics						
Front cover	High transmission, low iron, tempered glass					
Encapsulation	EVA					
Junction Box	IP67 (2 diode)					
Frame	Anodized Aluminium alloy					
Maximum Front/Rear Load	5400 Pa / 2400 Pa					
Dimension- L x W x T (mm)	425 x 665 x 30	506 x 665 x 30	785 x 665 x 30	985 x 665 x 35	1145 x 665 x 35	1490 x 665 x 35
Weight (kg)	2.8	3.3	5.5	7	8.2	11

*All data measured in STC

SPECIFICATION COMPLIANCE

IS 14286: 2010/ IEC 61215: 2005

IS / IEC 61730 (Part 1 & 2): 2004

IEC 61701- Salt Mist Test

IEC 62804 – PID Test

STC: 1000 W/m² irradiance, AM 1.5 spectrum and 25°C cell temperature

NOCT conditions: 800 W/m² irradiance, ambient temperature 25°C, wind speed 1m/sec