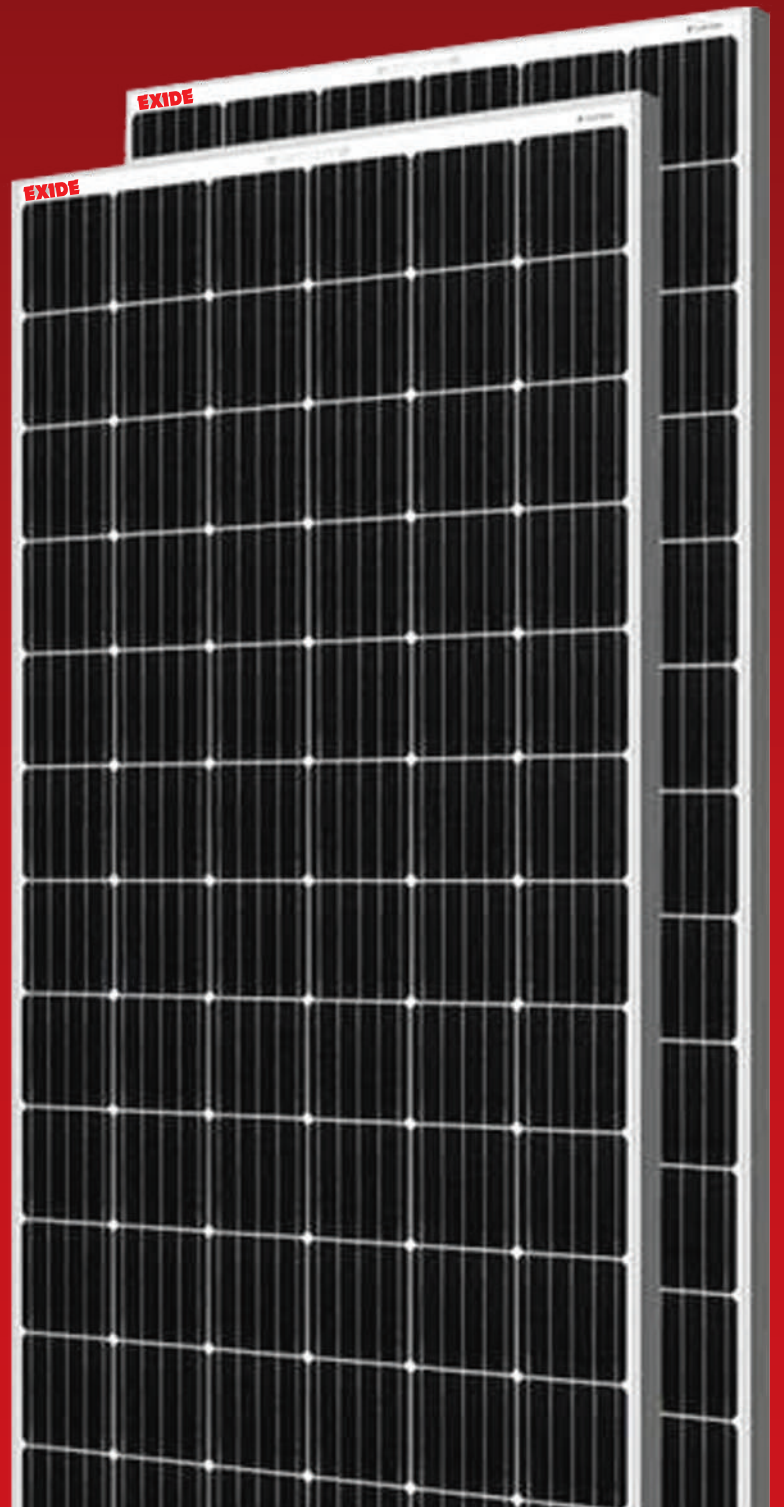


EXIDE

SOLAR PV
MODULES

EXIDE



36 CELL POLYCRYSTALLINE SERIES

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

FEATURES

- High module efficiency
- Superior mechanical strength
- 10 years of product warranty
- 25 years of limited power output warranty

APPLICATIONS

- Solar home lighting systems
- Solar Streetlights
- Solar power packs
- Microgrids

SPECIFICATIONS

Model	SP12EXIDE 040	SP12EXIDE 050	SP12EXIDE 075	SP12EXIDE 100	SP12EXIDE 125	SP12EXIDE 160
Electrical Characteristics*						
Pmax (Wp)	40	50	75	100	125	160
Power tolerance	0 to 5 W					
Module Efficiency (%)	14.15	14.86	14.37	15.26	16.42	16.15
Vmp (V)	18	18.14	18.14	18.83	18.24	18.91
Imp (A)	2.21	2.54	4.02	5.34	6.85	8.47
Voc (V)	22.18	22.21	22.34	22.42	22.5	22.8
Isc (A)	2.4	2.88	4.48	5.78	7.34	9.05
NOCT (°C)	45±2°C					
Maximum System Voltage (V)	600					
Mechanical Characteristics						
Cell Type	Polycrystalline					
Number of Cells/Arrangement	36 / 9x4					
Front cover	High transmission, low iron, tempered glass					
Encapsulation	EVA					
Junction Box	IP65 (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)	3.4	4.1	5.5	7	8.25	11

*All data measured in STC

Operational Characteristics	
Operating Temperature Range	-40 to 85°C
Maximum Relative Humidity (%)	85%
Temp. Co-efficient of Voltage	-0.35%/°C
Temp. Co-efficient of Current	0.05%/°C
Temp. Co-efficient of Power	-0.4%/°C

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

WARRANTY & CERTIFICATIONS

Product warranty: 10 years

Performance guarantee: 25 years power output guarantee with 90% power output at the end of 10 years and not less than 80% power output at the end of 25 years