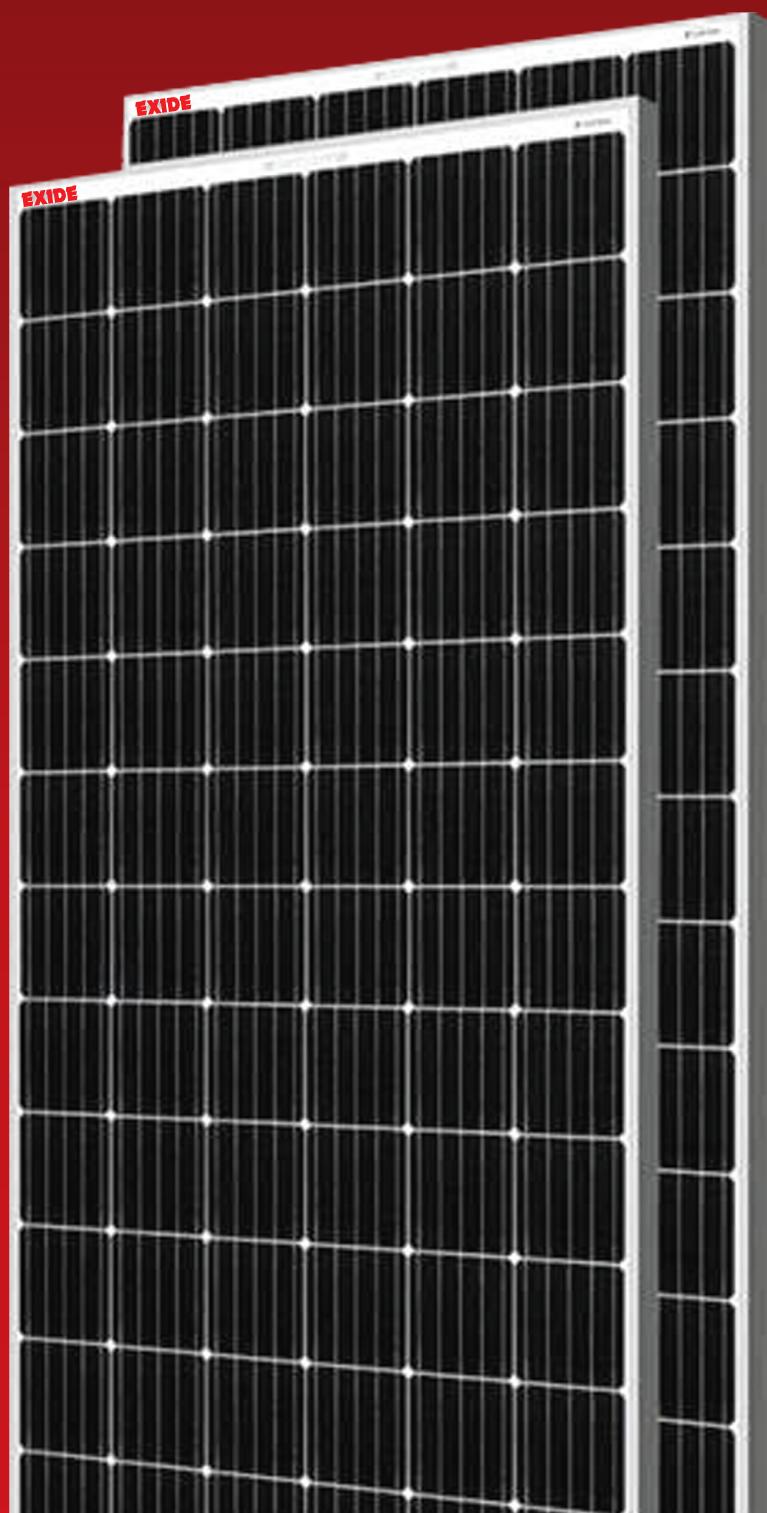


EXIDE

SOLAR PV MODULES



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

72 CELL POLYCRYSTALLINE SERIES

Exide's 72 cell Polycrystalline Silicon Solar Module series are a perfect solution for any rooftop and ground mounted solar power plant project. Stringent quality control measures are followed during manufacturing process to ensure reliable performance throughout lifetime.

FEATURES

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

APPLICATIONS

- Solar Parks • Rooftop on-grid PV plants • Solar pump systems • Microgrids

SPECIFICATIONS

Model	SP24EXIDE325	SP24EXIDE330	SP24EXIDE335
Electrical Characteristics*			
Pmax (Wp)	325	330	335
Power tolerance		0 to 5 W	
Module Efficiency (%)	16.75	17	17.17
Vmp (V)	37.45	37.76	38.1
Imp (A)	8.69	8.71	8.79
Voc (V)	45.9	45.85	46.3
Isc (A)	9.18	9.21	9.3
NOCT (°C)		45±2°C	
Maximum System Voltage (V)		1000	
Mechanical Characteristics			
Cell Type	Polycrystalline		
Number of Cells/Arrangement	72 / 12x6		
Output cable CSA/Length	4mm ² /1000mm		
Connector	MC4 compatible		
Front cover	High transmission, low iron, tempered glass		
Encapsulation	EVA		
Junction Box	IP67 (3 diode)		
Frame	Anodized aluminium alloy		
Maximum front/rear load	5400 Pa / 2400 Pa		
Dimension- L x W x T (mm)	1956 x 992 x 35		
Weight (kg)	23		

*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 12 years and not less than 80% power output at the end of 25 years

MONO PERC SERIES

Exide Mono PERC Solar Modules offer several advantages over conventional solar modules due to their enhanced capability to absorb light. This allows user to opt for more module placement options without compromising much on the plant performance. Higher module efficiency ensure better payback period and value extraction from the system.

FEATURES: High module efficiency • PID resistant • 10 years of product warranty • 25 years of limited power output warranty • IP67 rated junction box suitable for outdoor application • Suitable for standard 1000V systems • Positive power tolerance

APPLICATIONS: Rooftop On-grid PV systems • Rooftop Off-grid and Hybrid PV Systems • Ground-mounted solar parks • Microgrids

SPECIFICATIONS

Model	SP24EXIDE375	SP24EXIDE400
Electrical Characteristics*		
Pmax (Wp)	375	400
Power tolerance		+5W
Module Efficiency (%)	19.32	19.86
Vmp (V)	41.46	42.42
Imp (A)	9.05	9.45
Voc (V)	48.40	49.23
Isc (A)	9.86	10.24
NOCT (°C)	45±2	
Maximum System Voltage (V)	1000	
Mechanical Characteristics		
Cell Type	Monocrystalline PERC	
Number of Cells/Arrangement	72 / 6 x 12	
Output Cable (CSA/Length)	4mm ² / 1000mm	
Connector	MC4 compatible	
Front cover	ARC coated, high transmission, low iron, tempered glass (3.2mm)	
Encapsulation	EVA	
Junction Box	IP67 (3 diode)	
Frame	35mm Anodized aluminium alloy	
Maximum front/rear load	5400 Pa / 2400 Pa	
Dimension- L x W x T (mm)	2002 x 1006 x 35	
Weight (kg)	23	

*All data measured in STC

Operational Characteristics

Operating Temperature Range	-40 to 85°C
Maximum Relative Humidity (%)	85%
Temp. Co-efficient of Voltage	-0.29%/°C
Temp. Co-efficient of Current	0.05%/°C
Temp. Co-efficient of Power	-0.38%/°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 12 years and not less than 80% power output at the end of 25 years

Certifications¹: IS 14286, IEC 61215, IEC 61730- 1&2, IEC 61701, IEC 62804

¹All certifications are in progress



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