

Polycrystalline Solar Panels

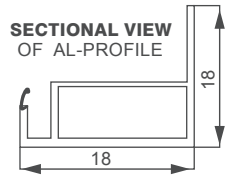


3W to 20W

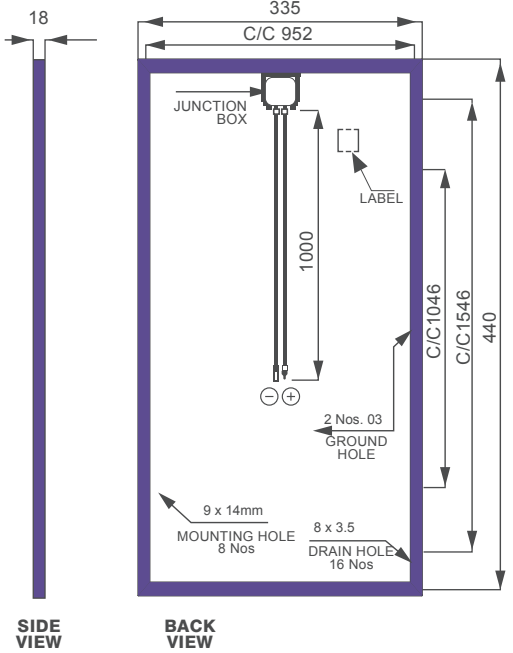
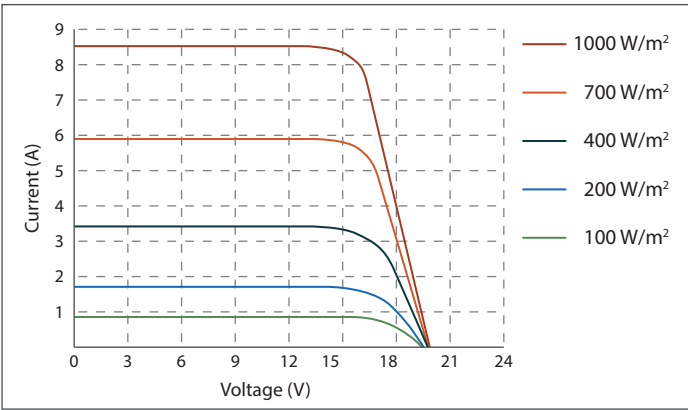
- Higher power output
- Anti-PID Resistance
- Higher lifetime power yield
- Low temperature coefficient
- Special customized solutions
- Extreme weather conditions
- Easily mounted with a number of assembly options



Dimensions:
(In mm)



IV Curves



Polycrystalline Module (3W to 20W)



Technical Data

PERFORMANCE UNDER STANDARD TEST CONDITION (STC) (Irradiance of 1000 W/m², AM 1.5 and cell temperature of 25 °C)

	3W	5W	10W	12W	18W	20W
Capacity Rating - Pmax (Wp)						
Maximum Operating Voltage (Vmp)	9.54	9.54	19.00	19.00	19.00	19.00
Maximum Operating Current (Imp)	0.32	0.54	0.54	0.65	0.97	1.07
Open Circuit Voltage (Voc)	11.32	11.32	22.64	22.64	22.64	22.64
Short Circuit Current (Isc)	0.34	0.57	0.57	0.69	1.03	1.14
Module efficiency (%)	8.76	9.65	9.54	12.14	12.20	13.55

Mechanical Specification

	185X185	280X185	295X355	295X355	440X355	440X355
Dimensions (LxW in mm)						
Dimensions (Thickness in mm)	18	18	18	18	18	18
Weight (kg)	0.42	0.58	1.14	1.14	1.64	1.64
No of cell	18(9x2)	18(9x2)	36(9x4)	36(9x4)	36(9x4)	36(9x4)
Mounting Holes Pitch (Y)- mm	92	140	148	148	220	220
Mounting Holes Pitch (X)- mm	161	161	331	331	331	331
Frame	Silver Anodized Aluminum Alloy					
Front glass(AR Coated Tempered Glass)	3.2mm					
Encapsulate	PID free Ethylene Vinyl Acetate Sheet					
Back Sheet	UV protected reflective backsheets					
Junction Box	2 Terminal					
Application class	Class A					
Electrical safety class	class II					
Fire Safety	Class C (Type 1)					

Temperature Coefficients

Current Temperature Coefficients	0.021 %/°C
Voltage Temperature Coefficients	- 0.291 %/°C
Power Temperature Coefficients	- 0.397 %/°C

Permissible Operating Conditions

Operating Temperature Range	From- 40 °C to + 85 °C
Maximum System Voltage	600 V
Maximum Series Fuse Rating	10A

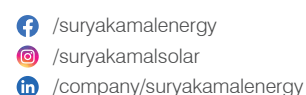
The contents of this brochure is for knowledge purpose only and Suryakamal reserves the rights to change technical parameters at anytime without any notification.

Suryakamal Energy Private Limited

Manufacturing Address: Shade No-4,
Radhika Enterprise, Survey No-1303,
Undrel, Ta-Daskroi, Ahmedabad,
Gujarat, India - 382433.

Head Office: Elite-1007,
Nr. Sola Bridge, S.G. Highway,
Sola, Ahmedabad,
Gujarat, India - 380060.

Follow us on



info@suryakamalenrg.com | www.suryakamalenrg.com