

SEEKER SERIES

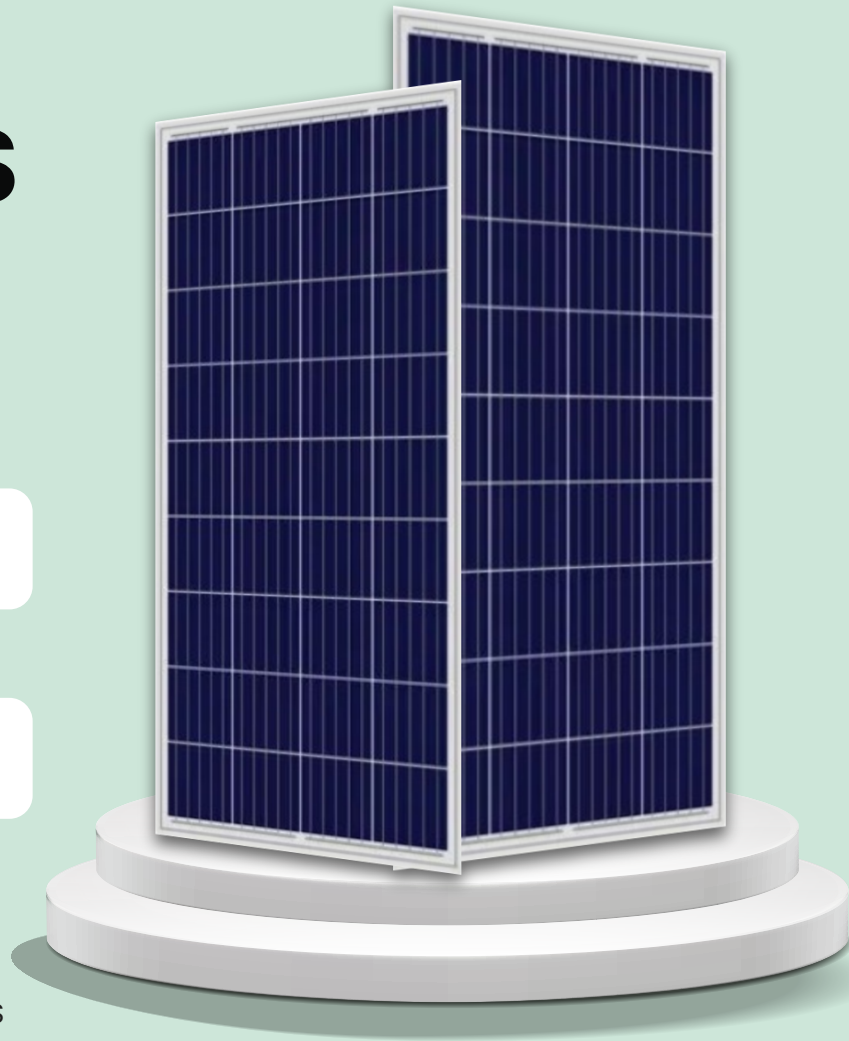
36 Cell Modules

10
YEARS

WARRANTY FOR MATERIALS
AND PROCESSING

30
YEARS

WARRANTY FOR LINEAR
POWER OUTPUT



Product certifications:

IS 14286:2010 | IEC 61215: 2005 IS | IEC 61730-2:2004 IS
| IEC 61730-1:2004 | IEC 62804 | IEC 61853 | IEC 61701

Salient features

- ⦿ Manufactured using exceptional quality long-lasting Polycrystalline cells designed for Residential, Commercial and Industrial Applications.
- ⦿ Capable to withstand high wind and snow loads.
- ⦿ PID (Potential Induced Degradation) resistance to avoid power loss during extreme environment conditions like salt mist, blowing sand, etc.
- ⦿ Outstanding performance even in low-light environments like cloudy mornings, late evenings etc.
- ⦿ High Salt Mist Corrosion Resistance making it a perfectly fit for coastal areas.
- ⦿ High transmittance and low iron tempered glass with anti-reflective coating to catch and absorb light immediately and effectively.

Electrical Data¹ All data refers to STC (AM 1.5, 1000W/m², 25°C)

Peak Power P _{max} (Wp)	40	50	60	75	100	125	150
Maximum Voltage V _{mpp} (V)	18.46	18.31	18.54	17.91	17.85	18.0	18.23
Maximum Current I _{mpp} (A)	2.19	2.75	3.25	4.23	5.75	6.95	8.23
Open Circuit Voltage V _{oc} (V)	22.50	22.25	22.58	22.12	22.29	22.0	22.59
Short Circuit Current I _{sc} (A)	2.38	3.45	3.45	4.52	6.01	7.22	8.73
Module Efficiency (%)	12.53	13.57	13.57	14.62	14.69	14.70	15.13

(1) STC : 1000W/m² irradiance, 25°C cell temperature, AM1,5g spectrum according to EN 60904-3.
Average relative efficiency reduction of 5% at 200W/m² according to EN 60904-1.

Mechanical Data

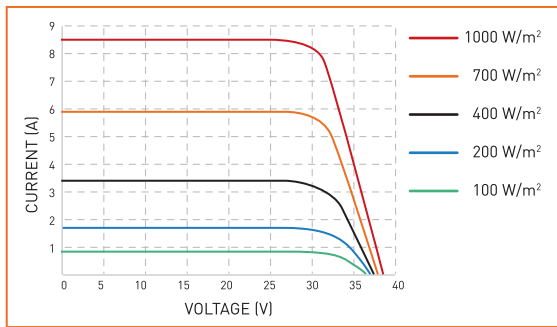
Length	487	595	665	775	1025	1279	1495
Width	665	665	665	665	665	665	665
Height	35	35	35	35	35	35	35
Weight	4.5	5.2	6	7.6	8.9	11.2	12.5
Junction Box	1 P65, 2 By Pass Diodes						
Application Class	Class A (Safety Class II)						
Superstrate	3.2mm High Transmission Low Iron Tempered Glass						
Cells	36 Cells, 4BB/5BB Cells, Poly I Mono						
Cells Encapsulant	EVA						
Back Sheet	PET						
Frame	Anodized Al Alloy Type 6063						
Mechanical Load Test	5400 PA						

Temperature Coefficients (Tc) Permissible operating conditions

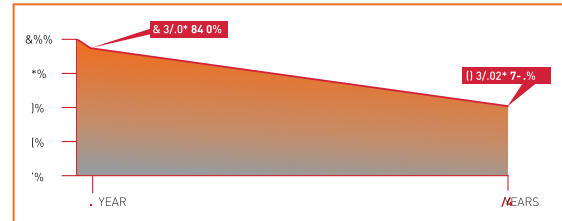
Tc of Open Circuit Voltage (β)	-0.31%/C
Tc of Short Circuit Current (α)	0.0402%/C
Tc of Power (γ)	-0.426%/C
Maximum System Voltage	1000V
NOCT	45C +2C
Temperature Range	-40C To +85C

(2) NOCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec.

Typical I-V Curves



Performance Warranty



Warranty and Certifications

Product Warranty**	10 Years
Performance Warranty**	Linear Power warranty for 25 Years with 2.5% for 1st year degradation and 0.67% from year 2 to year 25
Approvals and Certificates	IS 14286 : 2010/ IEC 61215 : 2005, IS/IEC 61730 (PART 1) : 2004 & IS/IEC 61730 (PART 2) : 2004 IEC 61701, IEC 61853, IEC 62804

****Refer to IB Solar Warranty Document for Terms & Conditions**

CAUTION : Read Safety and Installation Manual Before Using The Product. Specifications included in this datasheet are subject to change without notice. Please confirm your exact specification with the company representative while placing your order.