

Seeker Series, 36 Cell Modules

Electrical Data¹ All data refers to STC (AM 1.5, 1000 W/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	3.03	3.45	4.52	6.01	7.22	8.73
Module Efficiency (%)	12.47	12.71	13.28	13.46	14.22	14.70	15.13

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

Mechanical Data

Length	487	595	685	775	1086	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	9.2	11.2	12.5
Junction Box	1P65, 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 Mono						
Cell Encapsulant	EVA						
Back Sheet	PET						
Frame	Anodized Al Alloy Type 6063						
Mechanical Load Test	5400 PA						

Temperature Coefficients (Tc)² 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

Warranty and Certifications

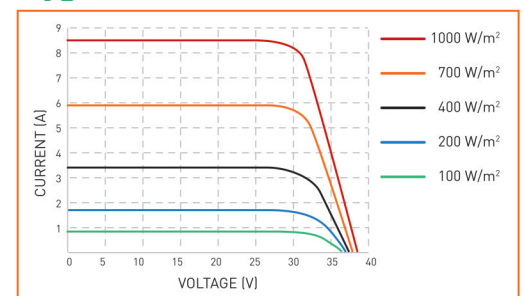
Product Warranty**	10 years
Performance Warranty**	Linear power warranty for 25 years with 2.5% for 1st year degradation and 0.67% from year 2 to year 25
Approvals and Certificates	IEC 61215, IEC 61730 Part 1 & 2 IEC 61701

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

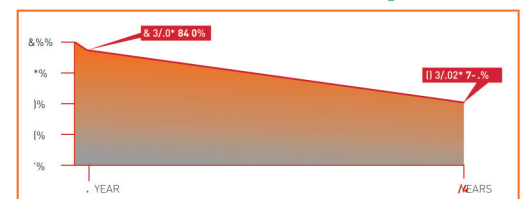
CAUTION: READ SAFETY AND INSTALLATION MANUAL BEFORE USING THE PRODUCT.

Specifications included in this datasheet are subject to change without notice. Electrical data without guarantee. Please confirm your exact requirement with the company representative while placing your order.

Typical I-V Curves



Performance Warranty



A Product Of:

Integrated Batteries India Pvt Ltd
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