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Solar Panel Guide Specification Data Sheet

Sanelite Solar Pvt Ltd SOIL Series SS 100

Also available on the web at
EnergyPal.com/sanelite-solar-pvt-ltd-solar-panels/ss-100



sanelite[®]
Solar Private Limited



SOIL Series

**Poly-crystalline
Modules**

36 cells

40-150 Wp

The SOIL series modules are built exactly for where they are needed – with an edge though. These customised modules are live example of innovation and excellence, with each cell cut to size with a perfection. Given that even the cut cells are stringed together automatically, these high-efficiency modules provide superior aesthetics.



Superior Aesthetics

Uniform cell colour and high quality anodised aluminium frame give attractive look to the module



Anti-reflective glass

Use of anti-reflective coated and textured glass absorbs the sun light to the fullest helping make high-efficiency modules



Positive power tolerance

Positive power output tolerance of upto +3 Wp makes robust and long-lasting product



A grade cells

Use of only A grade high-efficiency cells that give ever lasting performance over the years



Manufacturing Excellence

Top-of-the-line manufacturing equipment facility with stringing for cut-cells also and backed by in-house reliable testing capabilities



Quality Commitment

Rigorous in-house testing to meet the highest quality standards in industry



SOIL Series Specifications

ELECTRICAL PARAMETERS[#]

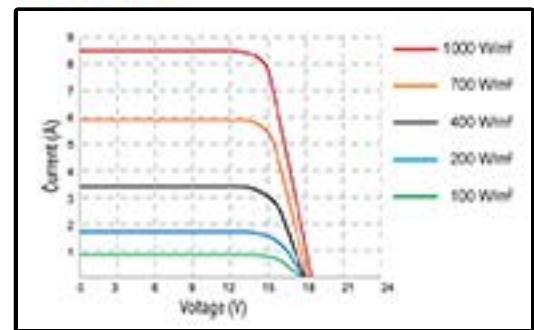
	SS 40	SS 50	SS 75	SS 100	SS 150
MAXIMUM RATED POWER (P_{MAX}) W_p	40	50	75	100	150
MAX CURRENT (I_{MP}) A	2.25	2.67	4.01	5.37	8.17
MAX VOLTAGE (V_{MP}) V	18.78	18.78	18.78	18.96	18.53
SHORT CIRCUIT CURRENT (I_{SC}) A	2.36	2.81	4.22	5.64	8.64
OPEN CIRCUIT VOLTAGE (V_{OC}) V	22.42	22.64	22.42	22.64	22.21
MODULE DIMENSIONS (LxWxH) +- 2%	455X660X30	555X660X30	785X660X30	1020X660X30	1485X660X30
WEIGHT K.G	3.3	4	5.6	6.5	10
EFFICIENCY	13.32	14.43	14.48	15.71	15.30

Parameters derived while testing at STC (Irradiance 1000 W/m², Temperature 25 C and Spectrum AM 1.5)

TEMPERATURE CO-EFFICIENT

Temperature coefficient of Voc	-0.310%/°C
Temperature coefficient of Isc	0.052%/°C
Temperature coefficient of Pmax	-0.41%/°C
Maximum System Voltage	600V-1000V
NOCT	45°C ± 2°C

IV CURVES



PRODUCT SPECS

Cells	48B highest grade polycrystalline solar cell, 36 pcs
Junction Box	IEC/UL approved IP 65 & IP 67 rated 3 rail with 2 bypass diodes
Output cables	USE-2 solar cable 4-sq.mm, length 990 mm
Glass	High transmission, low-iron, tempered, AR-coated
Frame	Anodized Aluminium Frame
Maximum Series Fuse Rating	15 A
Mechanical Load Test	5400 Pa

WARRANTY AND CERTIFICATION

Product Warranty*	5 years warranty for manufacturing defects
Performance Warranty*	Linear power warranty for 25 years with 2.5% for first year degradation and 0.82% from year 2 to 25
Certificates	IEC 61215, IEC 61730, IEC 61701, MNRE Approved

* Refer to SSPL warranty document for detailed terms and conditions