

SOLAR MODULE - 5 W to 100 W

Technical Specifications									
Model Name	DS 5	DS 10	DS 20	DS 37	DS-40	DS-50	DS-75	DS-80	DS-100
No of Cells	36 cells in series								
Pmp (Wp)	5	10	20	37	40	50	75	80	100
Voc (V)	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
Isc (I)	0.31	0.60	1.21	2.30	2.54	3.17	4.77	5.08	6.35
Vmp (V)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Imp(I)	0.28	0.56	1.12	2.07	2.23	2.78	4.17	4.45	5.56
Dimension (mm)	230 x 280 x 25 mm	300 x 350 x 25 mm	360 x 460 x 25 mm	475 x 670 x 25 mm	475 x 670 x 25 mm	550 x 670 x 25 mm	780 x 670 x 35 mm	780 x 670 x 35 mm	1089 x 670 x 35 mm
Weight (Kgs)	0.83	1.2	2.2	4.2	4.2	4.5	7.5	7.5	10.1
X- Pitch	194	264	324	634	634	634	622	622	622
Y-Pitch	140	175	230	238	238	273	390	390	582

All electrical parameters specified at Standard Test Conditions 25 degree C
 cell temperature 100m W/cm² irradiance Air Mass(AM) 1.5

Operating Characteristics

Normal operating cell temperature	45.5°C
Temperature coefficient (Pmax)	-0.45 % / °C
Temperature coefficient (Voc)	-0.36 % / °C
Temperature coefficient (Isc)	-0.043 % / °C

Normal Operating Conditions

Operating module temperature	-40 °C to +85 °C
Maximum Voltage DC	DC 600V/1000V
Maximum load	5400 Pa
Application Classification (to IEC 61730)	A
Fire classification (to IEC 61730)	C

Applications

- Street & Outdoor Lighting
- Solar Lanterns: LED, CFL
- Power packs for Telemetry Stations
- Outdoor Media
- Telemetry System Defense and offshore Device
- Standalone Power Packs
- Standalone Systems for Homes not connected to Grid
- Railway Signaling
- Backup Power System
- Home & Indore Lighting
- Telecommunication and Ratio Relay Station
- Rural Electrification
- Community Lighting
- Surveillance Camera etc.

Certificates

Our modules have been tested by UL according to the Standards of IEC 61215 for design IEC 61701 (Salt mist corrosion test) performance and IEC 61730 (Safety class I & II) CE.

NOTE

Warranty : Up to 10 years Limited Extended Warranty.

Refer to DSEPL warranty document for detail warranty terms and conditions.

Due to constant product Improvement DSEPL reserve the right to amend the above specifications without prior notice.