



**samlexsolar**<sup>®</sup>  
A Division of Samlex America Inc.

# 100-150W



## Solar Panel Kits

Model  
SSP-100-KIT  
100 Watts  
SSP-150-KIT  
150 Watts

## Design Features

Use the Samlex Solar Panel Kit with a Samlex Solar Charge controller for a flexible installation, configured the way you want it or as an expansion panel for an existing solar system.

- High efficiency crystalline solar cells
- Low profile panel design
- All weather Anodized aluminum and Tempered Glass construction
- 25 year Power Warranty
- Top quality cable & mounting hardware

## Kit Includes:

1. High Efficiency Solar Panel
2. Connecting Wires
3. Mounting Brackets & Hardware

SOLAR PANEL SPECIFICATIONS: PARAMETER	SSP-150-KIT	SSP-100-KIT
NOMINAL MAXIMUM POWER AT STC, Pmax	150W ± 3%	100W ± 3%
MAXIMUM POWER VOLTAGE, Vmp	18.38V	19.29V
MAXIMUM POWER CURRENT, IMP	8.16A	5.18A
OPEN CIRCUIT VOLTAGE, Voc	22.68V	22.93V
SHORT CIRCUIT CURRENT, Isc	8.82A	5.81A
MODULE EFFICIENCY	15.42%	15.10%
TYPE OF CELLS	Polycrystalline; 156 x 156mm / 6.14 x 6.14"	Monocrystalline; 125 x 125mm / 4.92 x 4.92"
NO OF CELLS	36	36
MAXIMUM SYSTEM VOLTAGE	UL-1703: 600VDC; IEC-61215 / 61730: 1000VDC	
SERIES FUSE RATING	15A	10A
TERMINAL BOX	IP-65 with 2 Bypass Diodes; Cable 4mm <sup>2</sup> with MC4 Compatible Connectors	
OPERATING TEMPERATURE	- 40°C to + 85°C / - 40°F to +185°F	
DIMENSIONS	660 x 1474 x 35.2mm / 26 x 58.03 x 1.39 in	552 x 1200 x 35.2mm / 21.73 x 47.25 x 1.39 in
WEIGHT	12 Kg / 26.4 lb.	8 Kg / 17.6 lb.
STC	Irradiance Level: 1000 W/M <sup>2</sup> ; Spectrum: AM 1.5 Cell Temperature: 25°C / 77°F	
TEMPERATURE COEFFICIENT OF CURRENT, Isc	+ 0.08% / °C	+ 0.04% / °C
TEMPERATURE COEFFICIENT OF VOLTAGE, Voc	- 0.34% / °C	- 0.33% / °C
TEMPERATURE COEFFICIENT OF POWER, Pmax	-0.43% / °C	-0.37% / °C

**NOTE:** Specifications are subject to change without notice