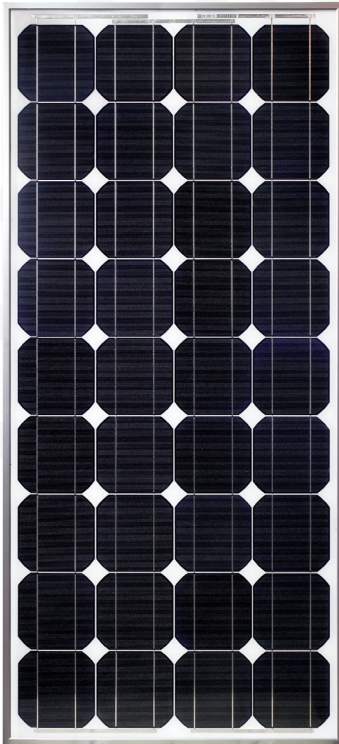




**samlexsolar**<sup>®</sup>  
A Division of Samlex America Inc.

100W



**Solar Panel  
Monocrystalline**

Model  
**SAM-100M**  
100 Watts

### Design Features

- High efficiency monocrystalline solar cells
- Low profile panel design
- All weather Anodized aluminum and Tempered Glass construction
- 25 year Power Warranty

### 25 YEAR POWER WARRANTY

PARAMETER	SAM-100M
NOMINAL MAXIMUM POWER AT STC, P <sub>max</sub>	100W ± 3%
MAXIMUM POWER VOLTAGE, V <sub>mp</sub>	19.29V
MAXIMUM POWER CURRENT, I <sub>mp</sub>	5.18A
OPEN CIRCUIT VOLTAGE, V <sub>oc</sub>	22.93V
SHORT CIRCUIT CURRENT, I <sub>sc</sub>	5.81A
MODULE EFFICIENCY	15.10%
TYPE OF CELLS	Monocrystalline; 125 x 125mm / 4.92 x 4.92"
NO OF CELLS	36
MAXIMUM SYSTEM VOLTAGE	UL-1703: 600VDC; IEC-61215 / 61730: 1000VDC
SERIES FUSE RATING	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	552 x 1200 x 35.2mm / 21.73 x 47.25 x 1.39 in
WEIGHT	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, I <sub>sc</sub>	+ 0.04% / °C
TEMPERATURE COEFFICIENT OF VOLTAGE, V <sub>oc</sub>	- 0.33% / °C
TEMPERATURE COEFFICIENT OF POWER, P <sub>max</sub>	-0.37% / °C

NOTE: Specifications are subject to change without notice.

12020-SAM-100M-0814