



Dow/NuvoSun

## Flexsolyt™ 0912 Series

Lightweight and Flexible Solar Module - Mobile and Small Applications

Dow's FlexsoLyt™ technology is an innovative flexible, lightweight solar module, designed for simple adhesive installation onto whatever you need to keep charged: including golf carts, RVs, and traveling trailers.

### Key Features

- Thin, lightweight, and durable: designed for mobile applications
- Sized right: the 0912 series module fits most golf cart roofs and small areas on RV's trailers, or anything needing to keep batteries charged
- Innovative thin film photovoltaic technology, with NuvoSun's proprietary CIGS (copper indium/gallium di-selenide) cells and wire mesh interconnect technology
- Simple peel and stick installation
- Designed and manufactured in the USA

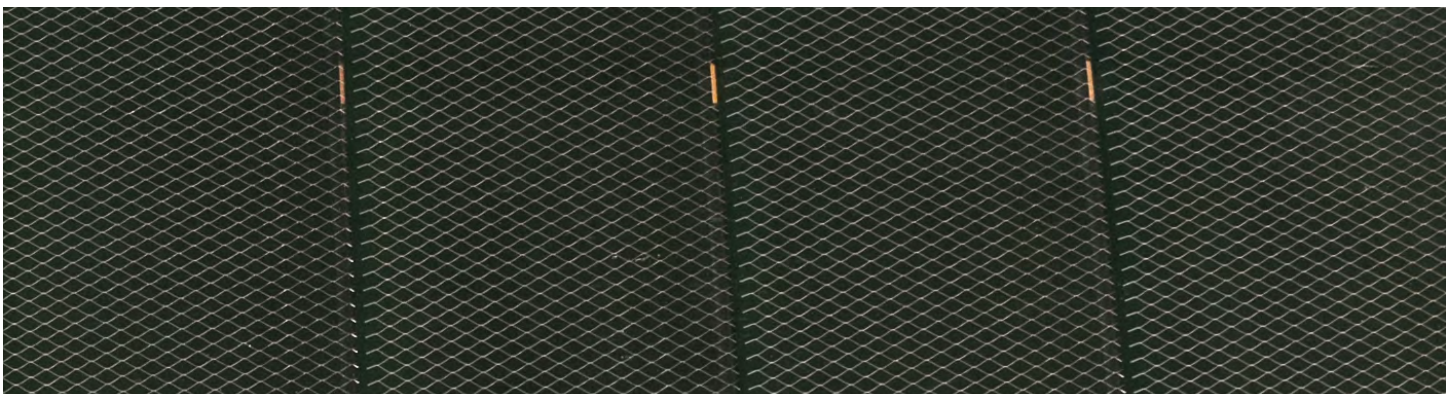
### Reliability and Safety

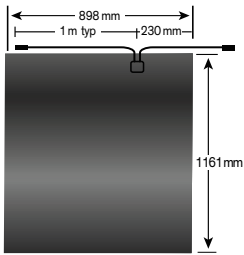
- Certified by Underwriters Laboratories Inc. in accordance with UL 1703, IEC 61646 (2008-05) and CAN/SCA-IEC 61646 (2010) and IEC 61730-1 (2013) and 61730-2 (2012)
- Listed to UL 790 / ASTM E-108 as to external fire exposure over TPO, EPDM, and metal systems in accordance with UL file E485845, see UL Online Certifications directory at [www.ul.com/database](http://www.ul.com/database) for additional information



### Warranty

- FlexsoLyt™ is warranted and back by Dow, a Fortune 50 leading science and technology company based in the U.S.
- 5 year workmanship
- 20 year power guarantee





Module Data at STC		0912-100	0912-110	0912-120
Nominal Max. Power (Pmax)*	W	100	110	120
Opt. Operating Voltage (Vmp)	V	21.0	22.2	24.2
Opt. Operating Current (Imp)	A	4.77	4.97	4.97
Open Circuit Voltage (Voc)	V	27.6	28.8	30.7
Short Circuit Current (Isc)	A	5.50	5.55	5.70
Max. System Voltage (IEC / UL)	V	1000 / 1000		
Recommended Max Fuse Rating	A	20		

\*\*Power Output Tolerance is +5%. -5%

Mechanical Data		
Cell Type		CIGS (Copper Indium/Gallium di-Selenide)
Cell Arrangement		48 series (4 × 12)
Length		1161 mm (45.7")
Width		898 mm (35.4")
Thickness (maximum at junction box)		15 mm (0.6")
Thickness (module)		2.5 mm (0.1")
Weight	kg	2.8 (with adhesives) 2.6 (without adhesive)
Weight / M2	kg/m <sup>2</sup>	2.68 (with adhesive)
Diodes		Integral, one every two cells
J-Box		IP68
Connectors		Amphenol H4
Cable Type		2.5 mm <sup>2</sup> (IEC) & 14 AWG 1000 V (UL)
Cable Length	mm	1000
Attachment		Integral adhesive

Temperature Characteristics		
Temperature Coefficient (Pmax)	%/°C	-0.40
Temperature Coefficient (Voc)	%/°C	-0.34
Temperature Coefficient (Isc)	%/°C	-0.0080
Nominal Operating Cell Temperature (NOCT)	°C	60

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Printed in U.S.A.

Form No.836-00187 0916 CDP