



Dow/NuvoSun

## FlexsoLyt™ 0927 Series

Lightweight and Flexible Solar Module – Large Area Applications (Structures and Mobile)

Dow's FlexsoLyt™ technology is an innovative flexible, lightweight solar module, designed for simple adhesive installation where other PV options are not viable – especially structures in high-wind zones or those with weight-restricted roofs.

### Key Features

- Thin, lightweight, and durable: designed for minimal weight and roof penetrations
- Sized right: the 0927 series modules are designed for efficient use of space and quick installation on low slope commercial roofs
- 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

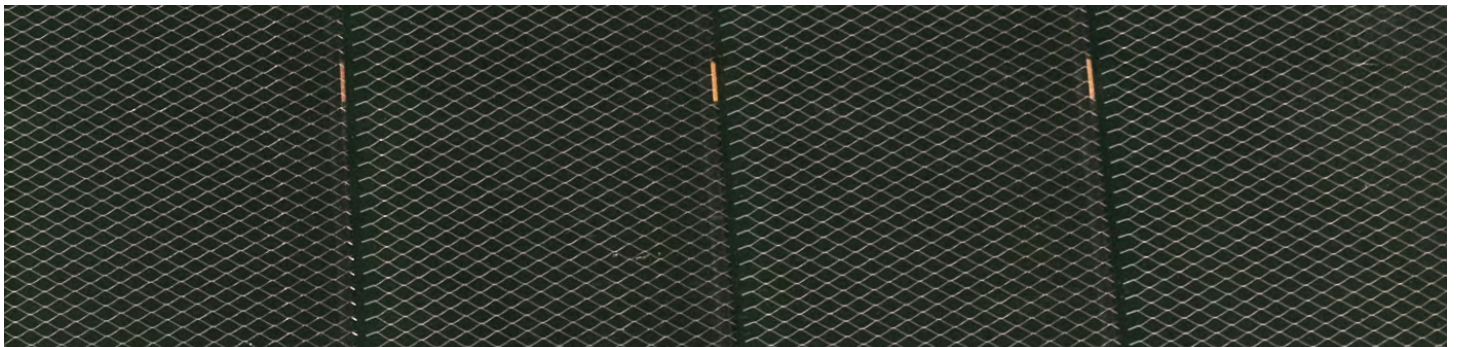
### Reliability and Safety

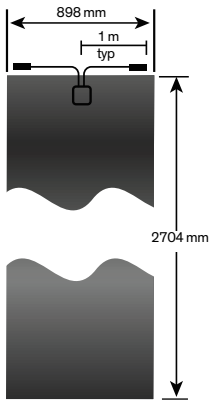
- Certified by Underwriters Laboratories Inc. in accordance with UL 1703, IEC 61646 (2008-05) and CAN/SCA-IEC 61646 (2010) and IEC 61730-1 (2013) and 61730-2 (2012)
- Listed to UL 790 / ASTM E-108 as to external fire exposure over TPO, EPDM, and metal systems in accordance with UL file E485845, see UL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



### 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		0927-250	0927-260	0927-270	0927-280	0927-290
Nominal Max. Power (Pmax)*	W	250	260	270	280	290
Opt. Operating Voltage (Vmp)	V	53.4	54.4	55.3	56.0	57.3
Opt. Operating Current (Imp)	A	4.68	4.78	4.89	5.00	5.06
Open Circuit Voltage (Voc)	V	69.5	70.5	71.9	73.2	74.4
Short Circuit Current (Isc)	A	5.55	5.60	5.65	5.70	5.75
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		120 series (4 × 30)
Length		2704 mm (106.5")
Width		898 mm (35.3")
Thickness (maximum at junction box)		15 mm (0.6")
Thickness (module)		2.5 mm (0.1")
Weight	kg	6.7 (with adhesives) 6.1 (without adhesive)
Weight / M <sup>2</sup>	kg/m <sup>2</sup>	2.75 kg/m <sup>2</sup>
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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