




FlexsoLyt™

flexible, lightweight solar by 

Dow/NuvoSun

Flexsolyt™ 0432 Series

Flexible Solar Module – Narrow Area Applications (Structures and Mobile)

Dow's FlexsoLyt™ technology is an innovative flexible, lightweight solar module, designed for simple 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 0432 series modules are designed for 16" and 24" standing seam metal roof panels or mobile applications where narrow areas are available
- 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

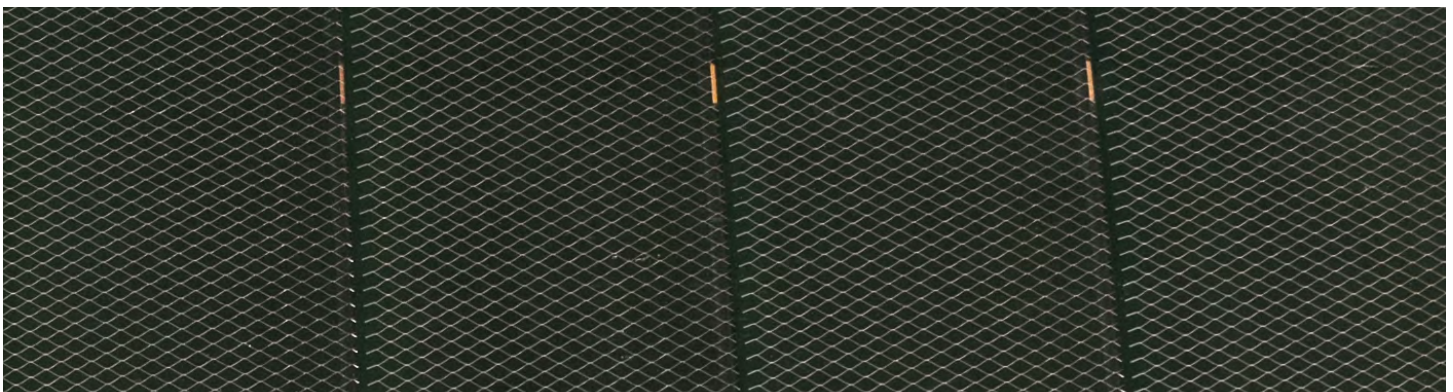
Reliability and Safety

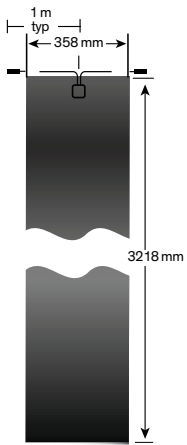
- Certified by Underwriters Laboratories Inc. in accordance with UL 1703, IEC 61646 (2008-05) and CAN/SCA-IEC 61646 (2010) and IEC 61730-1 (2013) and 61730-2 (2012)
- Listed to UL 790 / ASTM E-108 as to external fire exposure over TPO, EPDM, and metal systems in accordance with UL file E485845, see UL Online Certifications directory at www.ul.com/database 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		0432-110	0432-115	0432-120	0432-125	0432-130
Nominal Max. Power (Pmax)*	W	110	115	120	125	130
Opt. Operating Voltage (Vmp)	V	15.5	15.9	16.5	16.8	17.1
Opt. Operating Current (Imp)	A	7.10	7.23	7.30	7.45	7.60
Open Circuit Voltage (Voc)	V	20.5	21.0	21.6	21.9	22.1
Short Circuit Current (Isc)	A	8.4	8.4	8.5	8.5	8.5
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		36 series (1 × 36)
Length		3218 mm (126.7")
Width		358 mm (14.1")
Thickness (maximum at junction box)		15 mm (0.6")
Thickness (module)		2.5 mm (0.1")
Weight	kg	3.4 (with adhesives) 2.9 (without adhesive)
Weight / M2	kg/m ²	2.95 (with adhesive)
Diodes		Integral, one every two cells
J-Box		IP68
Connectors		Amphenol H4
Cable Type		2.5 mm ² (IEC) & 14 AWG 1000 V (UL)
Cable Length	mm	1000
Attachment		Integral adhesive

Temperature Characteristics		
Temperature Coefficient (Pmax)	%/°C	-0.44
Temperature Coefficient (Voc)	%/°C	-0.29
Temperature Coefficient (Isc)	%/°C	-0.018
Nominal Operating Cell Temperature (NOCT)	°C	60

Notice: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments.

®™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

Printed in U.S.A.

Form No. 836-00184 0816 CDP