




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

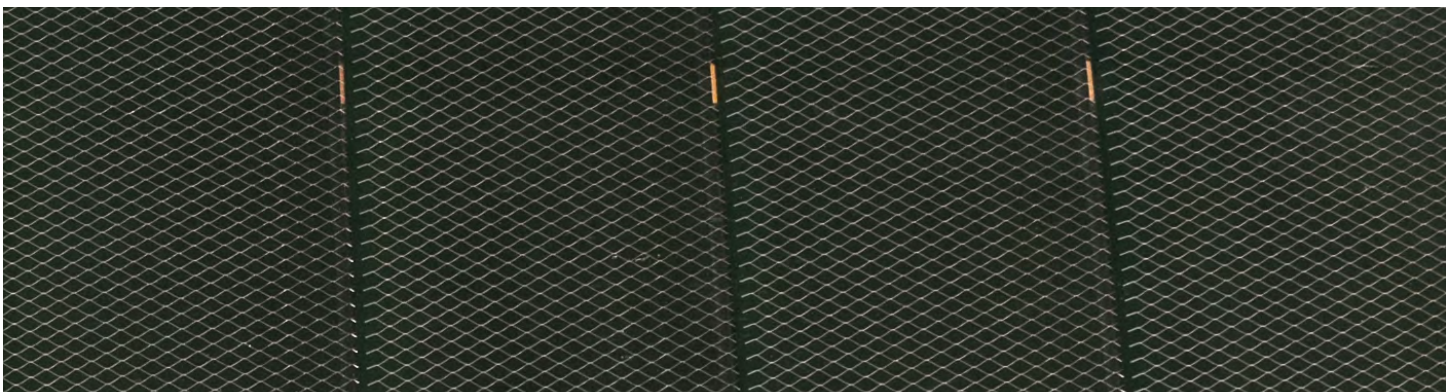
Reliability and Safety

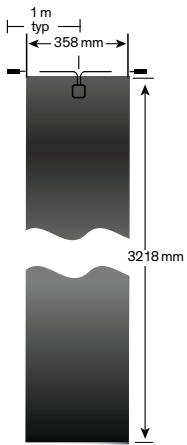
- Certified by Underwriters Laboratories Inc. in accordance with UL 1703, IEC 61646 (2008-05) and CAN/SCA-IEC 61646 (2010) and IEC 61730-1 (2013) and 61730-2 (2012)
- Listed to UL 790 / ASTM E-108 as to external fire exposure over TPO, EPDM, and metal systems in accordance with UL file E485845, see UL 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

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