



Dow/NuvoSun

FlexsoLyt™ 1132 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 1132 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

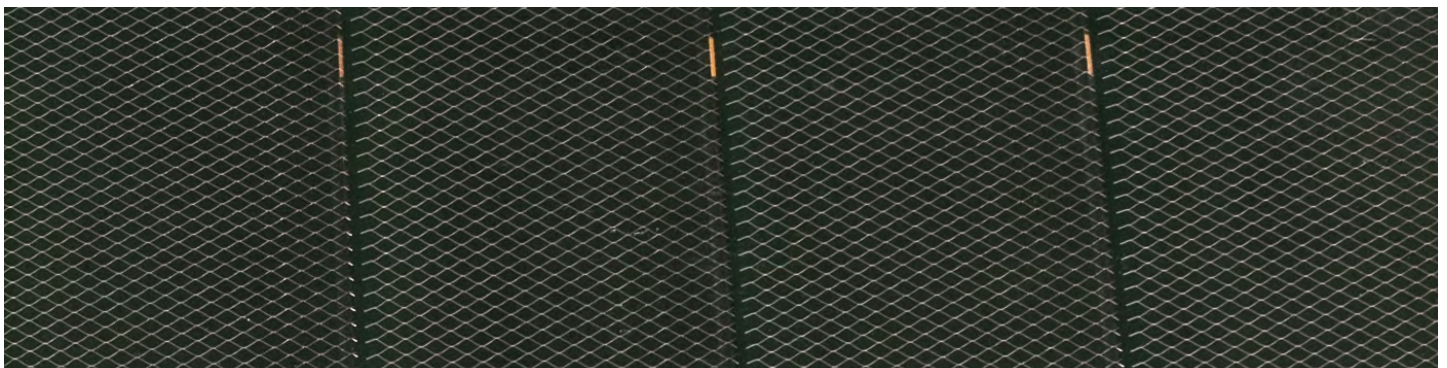
Reliability and Safety

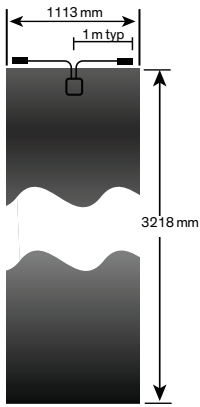
- Certified by Underwriters Laboratories Inc. in accordance with UL 1703, IEC 61646 (2008-05) and CAN/SCA-IEC 61646 (2010) and IEC 61730-1 (2013) and 61730-2 (2012)
- Listed to UL 790 / ASTM E-108 as to external fire exposure over TPO, EPDM, and metal systems in accordance with UL file E485845, see UL Online Certifications directory at www.ul.com/database 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		1132-380	1132-390	1132-400	1132-410	1132-420	1132-430	1132-440
Nominal Max. Power (Pmax)*	W	380	390	400	410	420	430	440
Opt. Operating Voltage (Vmp)	V	79.6	81.2	82.6	84.2	85.7	86.7	88.2
Opt. Operating Current (Imp)	A	4.77	4.80	4.84	4.87	4.90	4.96	4.99
Open Circuit Voltage (Voc)	V	104.4	105.5	106.5	108.2	109.8	110.7	112.4
Short Circuit Current (Isc)	A	5.58	5.58	5.6	5.6	5.6	5.65	5.66
Max. System Voltage (IEC / UL)	V	1000 / 1000						
Recommended Max Fuse Rating	A	20						

*Power Output Tolerance is +5%, -0%

Mechanical Data		
Cell Type		CIGS (Copper Indium/Gallium di-Selenide)
Cell Arrangement		180 series (5 × 36)
Length		3218 mm (126.7")
Width		1113 mm (43.8")
Thickness (maximum at junction box)		15 mm (0.6")
Thickness (module)		2.5 mm (0.1")
Weight	kg	9.9 (with adhesives) 9 (without adhesive)
Weight / M2	kg/m ²	2.76kg/m ²
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	-0.40
Temperature Coefficient (Voc)	%/°C	-0.34
Temperature Coefficient (Isc)	%/°C	-0.0080
Nominal Operating Cell Temperature (NOCT)	°C	60

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