



NRS - FLX

CIGS

PHYSICAL & MECHANICAL SPECIFICATIONS

Encapsulation Material	Copper indium gallium selenide
Front Cover	ZnO ₂
Back Cover	Metal Foil
Wiring	Tin & Silver coated copper ribbon 0.1mm
Junction Box	IP68
Cable length	+/- 620
Connecting cable plug	Rated voltage 1000DCV / Temp range: -40 to 85 Degree Celsius Plug/Socket MC4 compatible
Frame	Frameless, on a metal sheet with Sticker
Width	348mm, 363mm, 677mm, 993mm & 1293mm
Length	1525mm, 1710mm, 2585mm, 2597mm & 5910mm
Thickness	0.33mm (2.5mm)
Weight	2.4KG/m ² , 2.9Kg/m ² with adhesive
The module is tested under 2400Pa (50lb/ft ²) mechanical load or approximately to a wind speed of 130km/h (80mph) with certified mounting solutions.	

PHYSICAL & MECHANICAL SPECIFICATIONS

NRS-FLX Models with Monocrystalline 6 inch	Power (W)	Stabilized Performance STC				
		Dimension	V _{mpp} (V)	I _{mpp} (A)	V _{oc} (V)	I _{sc} (A)
		Electrical Tolerance +5/-0%				
NRS-FLA-510 (17%)	510W	2585*1293	60.6	8.42	75.1	9.40
NRS-FLA-360 (17%)	360W	2598*1000	30.4	11.83	38.3	13.56
NRS-FLB-125 (17%)	125W	2598*370	30.5	3.93	38.1	4.53
NRS-FLB-285 (17%)	285W	5923*370	72.3	3.94	90.0	4.54
NRS-FLC-75 (17%)	75W	1722*363	19.3	3.89	24.3	4.52
Max over Current rating	10A (25A for A series)					
Temp Co-efficient	I _{sc} +0.008%/C ---- V _{oc} -0.28%/C ---- P _{mpp} -0.38%/C					
Max System Voltage	1000/600 (IEC/UL)					
Cell Size	312mm x 43.75mm x 0.33mm (7.5gm)					

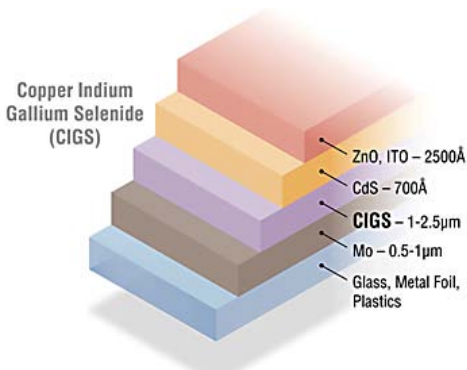
WARRANTY

Warranty on Product (Workmanship & Materials)	Warranty on Performance (Power Grade Output)
from date of shipment	5 Years Workmanship 10/25 years warranty against power loss
Certifications	UL 1703, IEC 61646 and IEC 61730, UL Fire Class A over TPO – slope up to 2.5"



Features and Benefits

- Factory Applied Self-Adhesive—Simple Peel-and-Stick Application
- Aperture Efficiency Rating of up to 17%
- Lightweight—2.4 kg/m² (0.5 lb/ft²)
- High Wind Zone Performance
- Low Labor and Balance-of-System (BOS) Costs
- Direct Bonding on TPO with some roof manufactures
- Optional: Secondary Membrane Panel Option for Older TPO Roofs
- Provides four times the wattage per kilogram than silicon panels
- No ballast or racking/No rails or custom purlins
- No module grounding
- Non-penetrating
- Building-integrated PV module
- Designed for high wind & seismic zones



- Record efficiency levels in a flexible form factor
- Low installed weight at less than 2.4 kg/m² (<0.5lb/ft²)
- No penetrations, ballast or racking required
- Applicable for high wind load and high seismic hazard areas
- Bypass diodes reduce PV system shading losses
- Directly bonds to many approved surfaces

Note: Modules must only be used in configurations where the negative polarity of the PV panel is connected to the ground. Failure to comply with this requirement will invalidate the warranty for the module