



Benefits
<ul style="list-style-type: none"> - Attractive, conventional looking windows that generate onsite renewable energy for the building - Contributes to NetZero, LEED, BREEAM and other green building rating systems and sustainability objectives

Features
<ul style="list-style-type: none"> - Solar Heat Gain Coefficient of 0.35 and 0.21 when paired with Low-E - Visible light transmission $\geq 32\%$ - $\geq 35W/m^2$ Power output under ASTM E927-10, E1036-12, E973-10, E2236-10 conditions

3 rd Party Validation
<ul style="list-style-type: none"> - IEC 61215 & TS 62876 & 63092 - UL 61730 - Extended Durability Tests: ASTM G154/G155

Framing Requirements
<ul style="list-style-type: none"> - Integrates into typical applications and framing system types - Framing systems need to allow enough space in glazing pocket and framing channels to run system wiring

Warranty
<ul style="list-style-type: none"> - 10-year from date of delivery - Please refer to standard warranty terms for more details

Disclaimer

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QUALITY STANDARDS			TRANSMITTED COLOR SPECIFICATIONS		
Next Energy Technologies N3235 Laminated units are designed and manufactured to comply with ASTM Standard C1376 Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass.					
AESTHETICS AND PERFORMANCE					
VLT (≥)	%	32			
Transmitted Color	CIE a* (±3)	-3			
	CIE b* (±5)	0			
Haze (≤)	%	2.5			
Color Uniformity (within) (≤) ¹	DeltaE	2			
Color Uniformity (between) (≤) ¹	DeltaE	2			
MECHANICAL DESCRIPTION			MECHANICAL DRAWING		
Substrate Length	up to 3 m				
Substrate Width	up to 1.5 m				
Module Thickness	~12.5mm				
Module Weight	~6.5 lbs/ft ² ~32 kg/m ²				
Leadwire	Included				
Connectors	MC4				
Cell Type	Transparent Organic Photovoltaic				
Frame Material	Anodized Aluminum				
Front Glass	6 mm heat strengthened				
Back Glass	6 mm heat strengthened				
Encapsulation	Laminate material with edge seal				
INSPECTION GUIDELINES			RATING AT STANDARD TEST CONDITIONS (1000W/m ² , AM1.5, 25°C, Alumina Backing) ⁷		
From a distance of 10 ft. (3 m) in transmission, at a viewing angle of 90 degrees to the specimen, against a bright, and uniform background.			Nominal Power ² (>)		
Uniformity	Production variation from the glass floating process may induce subtle variations in appearance from glass ply to glass ply. A similar observation can be stated for the thin film coating process.		P _{MAX} (W)		
Pinholes	Reject if detectable at arm length (1 ft.) and > 1/32"		Efficiency ² (≥)		
Coating Scratches, Rubs, Chatter, Streaks	Inspect glass from a distance of 10 ft. (3 m). Scratches up to 2" (50 mm) are allowed in 80 percent central glass area, and scratches up to 3" (75 mm) are allowed in the outer area. Concentrated scratches or abraded areas are not allowed.		Voltage at P _{MAX}		
			V _{MAX} (V)		
			Current at P _{MAX}		
			I _{MAX} (mA)		
			Open Circuit Voltage		
			V _{OC} (V)		
			Short Circuit Current		
			I _{SC} (mA)		
			Maximum System Voltage		
			V _{SYS} (V)		
WARRANTY			RATING AT NOMINAL OPERATING CELL TEMPERATURE OF 45°C (800W/m ² , 20°C air temperature, AM1.5, 1 m/s wind speed, Alumina Backing) ⁷		
Power Output Warranty PCE ²	10 Years		Nominal Power ³ (>)		
Product Warranty	10 Years		P _{MAX} (W)		
Color Stability (DeltaE ≤ 4.5) ¹	10 Years		Efficiency ³ (%)		
			Voltage at P _{MAX}		
			V _{MAX} (V)		
			Current at P _{MAX}		
			I _{MAX} (mA)		
			Open Circuit Voltage		
			V _{OC} (V)		
			Short Circuit Current		
			I _{SC} (mA)		
CERTIFICATIONS AND TESTS ³			TEMPERATURE CHARACTERISTICS ⁵		
IEC	61215, TS 62876		Module Operating Temperature Range		
UL	61730 (1500V Listed)		°C		
Extended Durability Tests ⁴	ASTM G154 / G155		-30 to +85		
			Temperature Coefficient of P _{MAX}		
			T _K (P _{MAX})		
			+0.16%/°C (25C-75C)		
			Temperature Coefficient of V _{OC}		
			T _K (V _{OC})		
			-0.17 %/°C		
			Temperature Coefficient of I _{SC}		
			T _K (I _{SC})		
			+0.17 %/°C		
IGU Specifications			IGU Specifications		
U-Value ⁶	W/m ² K		U-Value ⁶		
Solar Heat Gain Coefficient ⁶	with Low-E		W/m ² K		
	1.6		Solar Heat Gain Coefficient ⁶		
	0.21		with Low-E		

¹ As measured according to ASTM C1376
² 20% of nameplate PCE %
³ Testing Certifications/Listings pending
⁴ Validation pending and not required for sale
⁵ Measurement uncertainties apply
⁶ Match with IGU utilizing specified materials
⁷ All ratings ±10% unless specified otherwise. Specifications are subject to change. As measured according to ASTM E927-10, E1036-12, E973-10, E2236-10

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