



Colored Dual Glass Module

Colorful Choices, New Definition of the Fifth Facade

Optimized for roof & facade integration.



Diverse Color Collection

Timeless colors
Extensive color options
Versatile building applications



High Energy Yield

Trinasolar's high-efficiency cells
High power output and low degradation
Added benefit of energy generation



Safe and Reliable

Reinforced wind-resistant structure
Trusted fire resistance
Durable and weather resistant



Easy Installation

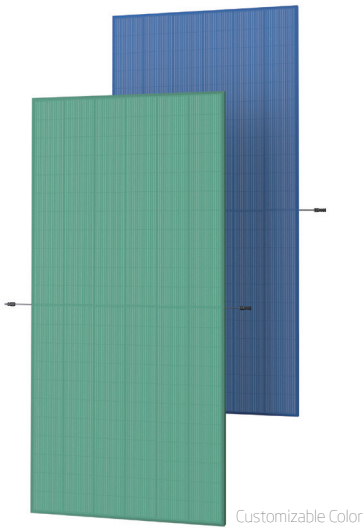
Standard module size
Compatible with standard PV system
Modular construction assembly

Products and System Certifications



IEC61215/IEC61730
ISO9001: Quality Management System

Trinasolar Evergreen



PRODUCT SPECIFICATION

Module Dimensions	L2384*W1134*D33mm (L93.86*W44.65*D1.30 inches)
Product Weight	33kg (72.8 lb)
Solar Cells	210R N-type TOPCon Monocrystalline
Front Glass	2.0mm (0.08 inches) , Glazed Heat Strengthened Glass
Back Glass	2.0mm (0.08 inches) , Heat Strengthened Glass
Frame	Fluorocarbon Coated Aluminum Alloy
Connector	TS4 Plus / MC4 / Other
Packaging Configuration	Modules per box:33 pieces Modules per 40'container: 660 pieces

ELECTRICAL DATA (STC)

Module Color	Silver Grey			Green			Blue		
Color Codes	RAL9018			RAL6001			RAL5002		
Peak Power Watts -P _{MAX} (Wp)	420	425	430	545	550	555	550	555	560
Power Tolerance -P _{MAX} (W)	±5								
Maximum Power Voltage -V _{MPP} (V)	40.0	40.3	40.6	41.0	41.1	41.2	40.6	40.7	40.7
Maximum Power Current -I _{MPP} (A)	10.50	10.55	10.60	13.31	13.39	13.47	13.54	13.65	13.76
Open Circuit Voltage -V _{OC} (V)	47.6	47.5	47.3	47.6	48.0	48.4	48.0	48.1	48.3
Short Circuit Current -I _{SC} (A)	10.97	11.12	11.27	14.25	14.27	14.29	14.38	14.46	14.54
Module Efficiency η _m (%)	15.5	15.7	15.9	20.2	20.3	20.5	20.3	20.5	20.7

STC(Standard Test Conditions): Air Mass AM1.5, Irradiance1000W/m², Cell Temperature25℃ / Measuring tolerance: ±3%

OPERATING CONDITION

Operational Temperature	-40~+85℃
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	35A
Max Front / Back Static Mechanical Load	+5400Pa/-2400Pa
Hail Resistance Test	Φ25mm Velocity 23m/s
Burning Behavior Class	Class A

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43℃ (±2℃)
Temperature Coefficient of P _{MAX}	-0.29%/℃
Temperature Coefficient of V _{OC}	-0.24%/℃
Temperature Coefficient of I _{SC}	0.04%/℃

WARRANTY

10 Years Product Workmanship Warranty
25 Years Power Warranty
1% First Year Degradation
0.4% Annual Power Attenuation

Please refer to product warranty for details

