

Quality

 **BATCH COLOR CONSISTENCY**
Prevents checkered façades and power inconsistencies.

 **MISMATCH DETECTION**
Ensures Uniform Energy Output In Multicolored Modules.

 **QUALITY INSPECTION**
Examines Beneath The Graphic Layer For Hidden Defects.

 **I-V MEASUREMENT (FLASH TEST)**
Confirms Electrical Performance.

 **ELECTROLUMINESCENCE IMAGING (EL-TEST)**
Detects hidden cell defects.

 **DEGRADATION & AGING TESTS**
Assesses color stability over time.

 **BUILDING NORMS (BIPV APPLICATIONS)**
EN 14449 : Glass in building - Laminated glass and laminated safety glass.
EN 12600 : Resistance against impact.

 **IEC (FOR CUSTOM-MADE MODULES)**
IEC 61215 : Design qualification and type approval.
IEC 61730 : Module safety qualification (*certifications in process).

Safety

MISMATCH PREVENTION SOFTWARE :
Translates multi-colored images safely, avoiding hotspot risks.

FIRE SAFETY & COMPLIANCE :
The following building norms and IEC norms typically apply:
• EN 13501 | Fire test for building materials
• IEC 61730 | Module safety qualification

OPTIONAL HEAT SOAKING :
• **Purpose:** Reduces the risk of spontaneous glass breakage from nickel sulfide inclusions.
• **Relevance:** While not always essential, it can improve the durability and safety of PV modules in certain conditions.
• **Service:** Offered as an additional service to help determine if this extra step would enhance the reliability of your solar modules based on your project's specific needs.

SUSTAINABILITY
Our solar panels come with a comprehensive Life Cycle Assessment (LCA) for sustainability and performance

DURABILITY
Glass/glass solar panels offer an impressive expected lifespan of ~50 years



This is Not a PAINTING

IT IS A



SOLAR
PANEL

MANUFACTURED IN INDIA

CONTACT US

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Innovative Artistic BIPV by
Navgrun



ColorBlast®

SOLAR IN ANY SHADE

Design

Advanced Pattern Printing For Intricate Visuals Without Performance Loss.



Single Color

Matte-finish with exceptional color accuracy in 1000+ Colors

SOLAR SUITE

To streamline the design and implementation of custom solar panels, we leverage solar suite- an intuitive platform that empowers architects, builders, and installers to seamlessly design solar panels, explore Color options, and evaluate technical impacts. With solar Suite, we can generate detailed datasheets, enabling informed decisions and a streamlined project Planning.

Generating datasheet... 100%

Color

Technology: ColorBlast

Library: RAL

Color: RAL 1000

Color matches: RAL 1000 Hue-1 53.68%

Materials

Dimensions

Length: 2382

Width: 1128

Borders

Top: 10

Bottom: 10

Left: 15

Right: 15

Module data

Power: 268 Wp (2 x 134 Wp)

Module efficiency: 9.98 %

Module weight: 83.97 kg

Surface Area: 2.69 m²

Weight per m²: 31.25 kg

Module thickness: 12.5 mm

Module thickness including junction box: 27.5 mm

Choices

Color

Technology: ColorBlast

Library: RAL

Color: RAL 1000 Hue-1

Materials

Front material: Low iron satin glass 6 mm

Back material: Clear float glass 6 mm

Dimensions

Length: 2382

Width: 1128

Borders

Top: 10

Bottom: 10

Left: 15

Right: 15

Module data

Power: 268 Wp (2 x 134 Wp)

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ColorBlast

Monocrystalline technology

Power Warranty

Product Warranty

Color fastness guarantee

Quality & Safety

Environment & Ethics

Side view

Junction box view

Front view

PRODUCT Specifications

PRODUCT COMPARISON CHART

Product	ColorBlast Single Color	ColorBlast Design
General		
Type	Digital printing	Digital printing
Color Fastness	50 years	50 years
Power	Low - high	Low - high
Aesthetics		
Number of standard colors	1000+	1000+
Custom color matching	•	•
Aesthetic appearance	Matte ceramic/flat, colored glass	Matte ceramic/flat, colored glass
Multi-colored design	◦	•
Color limitations	Limitation on brightness (bright colors have low power)	Limitation on brightness
Graphic layer positioning	Printing inside or outside glass	Printing inside or outside glass
Partial printing (for semi-transparency)	•	•
Other coloring options	Custom rear-side coloring	Custom rear-side coloring
Materials		
Patterned glass	In combination with printing inside glass	In combination with printing inside glass
Material requirements	Black background for uniform appearance	Black background for uniform appearance
Standard opacity options	Opaque	Opaque
Reflectivity/mattness	Highly matte to highly reflective	Highly matte to highly reflective
Standard junction box location	Rear	Rear

MECHANICAL TABLE

Specification	Value
Length x Width	Min 300×300 mm, up to 2500×3500 mm
Weight	Subject to Dimensions
Junction Box	16BB, 3-6 Split Junction Box with individual Bypass Diodes
Output Cable	Length 300 mm / As Per Customer Requirement, Dia: 4 mm2
Connector	MC4 Compatible
Application Class	Class A (Safety Class II)
Glass Front & Rear	High Transmittance Tempered ARC Glass, 4+2 mm up to 6+6 mm (Customisable)
Solar PV Cells	TOPCON 16BB, G12R N Type
Cell Encapsulant	EPE (EVA-POI)
Country of Origin	India