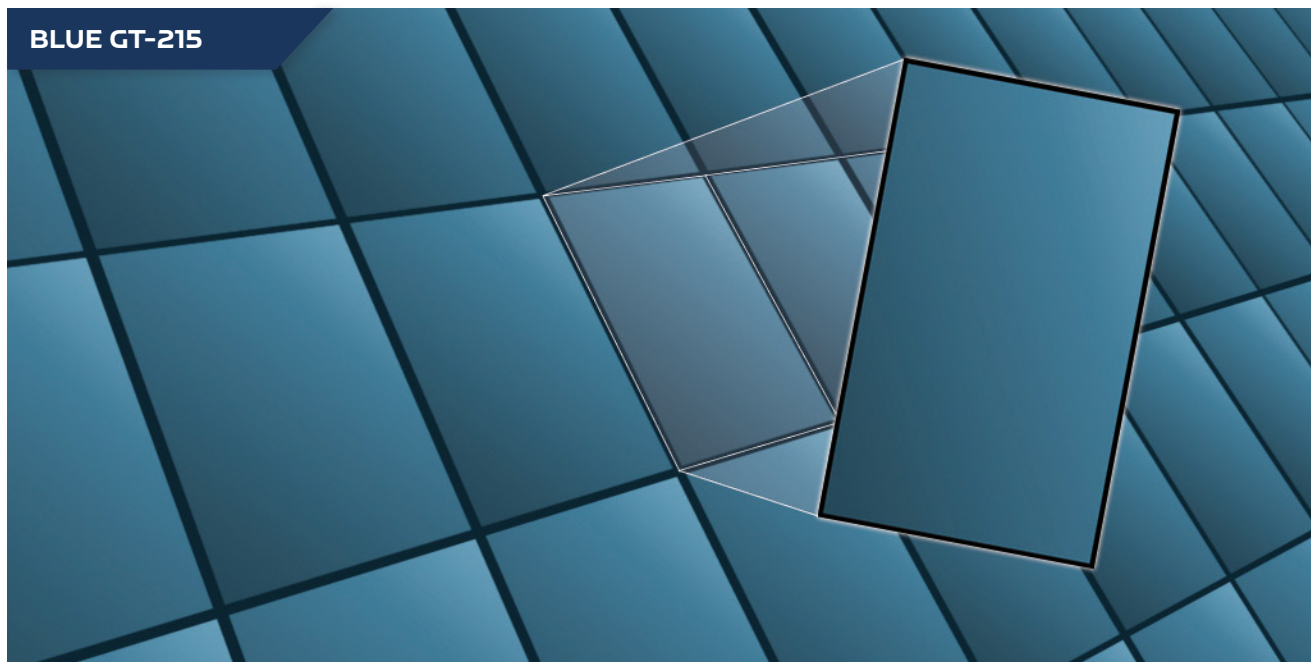


Kromatix™ Photovoltaic System



General Characteristics

Dimensions	1660 × 1000 × 35 mm (H x W x D)
Weight	21 kg
Solar cells	60 cells, monocrystalline Si, 159 x 159 mm
Cells encapsulation	Ethylene vinyl acetate (EVA)
Front	Kromatix™ solar glass (4 mm)
Back	Polymer composite laminated film, black
Frame	Anodized aluminium
Junction box	IP-65 or better
Bypass diode	Three diodes per module
Connection cable	Solar cable 4 mm ² , length 1000 mm
Connector	MC4 compatible

Electrical Properties at STC (1000 W/m², 25°C and AM 1.5)

Type of module	Blue module (GT-215)
Nominal output (P _{mpp})	278 Wp
Tolerance nominal output	± 5%
Rated voltage (V _{mpp})	33.55 V
Rated current (I _{mpp})	8.29 A
Open circuit voltage (V _{oc})	40.65 V
Short circuit current (I _{sc})	8.70 A
Current and voltage tolerance	± 5%
Module efficiency	16.75 %

Operating Conditions

Temperature range	-40 °C to +85 °C
Max. system voltage	1000 V
Max. series fuse rating	15 A
Limiting reverse current	15 A
Max. surface load capacity	2400 Pa (Snow load)
Resistance against hail	Max. diam. 25mm, impact speed 23 m/s

Temperature coefficients

Temperature coefficient nominal output (P _{mpp})	-0.42 %/K
Temperature coefficient voltage (V _{oc})	-0.33 %/K
Temperature coefficient short circuit current (I _{sc})	+0.05 %/K

Quality and Warranty

Product guarantee	10 years
Performance guarantee	12 years at 90% of the nominal output 30 years at 80% of the nominal output
Quality and Certification	IEC EN 61215, UL 61215 IEC EN 61730-1 / 61730-2, UL 61730
Fire Classification	IEC EN 61730-2 MST24, IEC EN 13501
Colour Stability	IEC EN 1096-3
Ammonia Corrosion	IEC EN 62716
Hail Test	Class 5