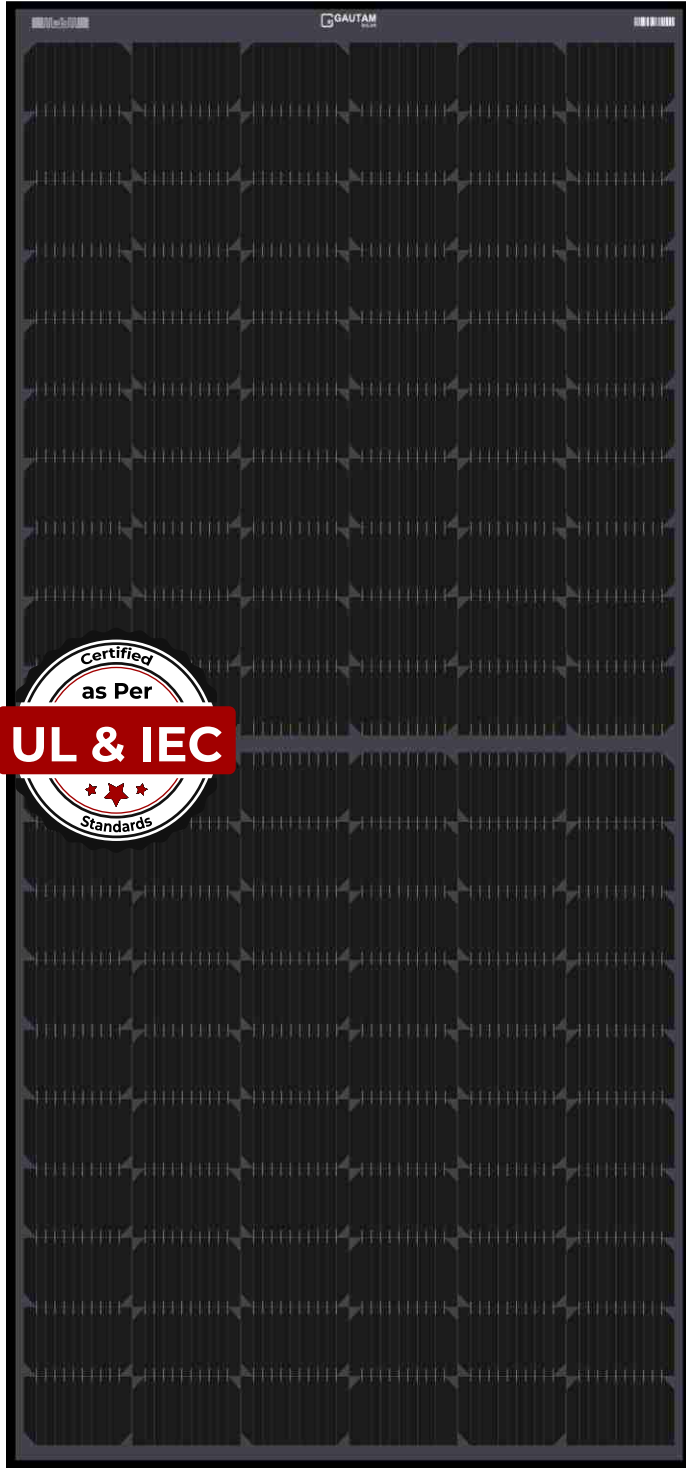


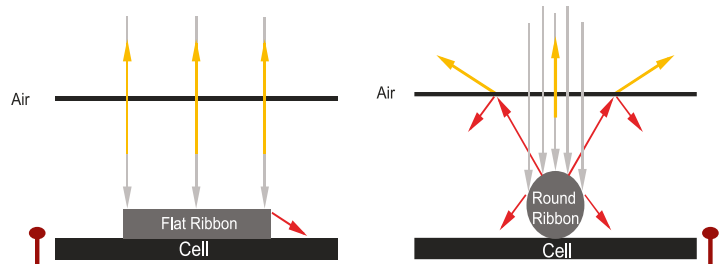
# 21.09%

## Maximum Module Efficiency

# Ideal for Rooftop



### Round Ribbon for Higher Light Utilization



### Highly Suitable for Rooftops Easy to Handle



### FRONT SIDE ELECTRICAL DATA (STC)

Model No.	G2X1320B-UHAA	G2X1335B-UHAA	G2X1350B-UHAA	G2X1365B-UHAA	G2X1380B-UHAA
Peak Power Output - Pmax(Wp)	440	445	450	455	460
Power Output Tolerance (Wp)	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5
Open Circuit Voltage-Voc(V)	40.75	40.95	41.20	41.40	41.60
Maximum Power Voltage-Vmpp(V)	35.28	35.40	35.64	35.76	35.88
Short circuit current-Isc(A)	13.35	13.45	13.51	13.61	13.72
Maximum Power Current-Impp(A)	12.47	12.57	12.63	12.72	12.82
Module Efficiency (%)	20.18	20.41	20.64	20.87	21.09
Fill Factor (%)	80.88	80.79	80.85	80.75	80.60

\*(STC) = 1000 W/m<sup>2</sup> Irradiance, Air Mass 1.5 and 25°C Cell Temperature

### ELECTRICAL DATA (NOCT)

	326.92	330.64	334.35	338.07	341.78
Peak Power Output - Pmax(Wp)	326.92	330.64	334.35	338.07	341.78
Open Circuit Current-Voc(V)	37.90	38.08	38.32	38.50	38.69
Maximum Power Voltage-Vmpp(V)	32.28	32.39	32.61	32.72	32.83
Short circuit current-Isc(A)	10.84	10.92	10.97	11.05	11.14
Maximum Power Current-Impp(A)	10.13	10.21	10.26	10.33	10.41

\*(NOCT) = 800 W/m<sup>2</sup> Irradiance, Air Mass 1.5, Ambient Temperature 20°C and Wind Speed 1 m/s

### TOTAL POWER (FRONT+BACK)

Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	484	490	495	501	506
With 10% Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	22.19	22.47	22.70	22.97	23.20
With 15% Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	23.20	23.48	23.75	23.98	24.26
With 20% Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	24.21	24.49	24.76	25.04	25.31
With 25% Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	25.22	25.50	25.82	26.09	26.37
With 30% Gain	Peak Power (Wp)	Efficiency $\eta_m$ (%)	26.23	26.55	26.83	27.15	27.42

### MECHANICAL DATA

Solar Cells Per Module (units)	120
Cells Configuration (Matrix)	10 × 6    10 × 6
Cell Size(mm)	91 × 182
Length(L) × Width(W) × Thickness(T) in mm	1923 × 1134 × 35
Area of module (sq-m)	2.180682
Weight of module(kg)	23.6 ± 2%

Cell Type	Mono-crystalline PERC (91 × 182)
Junction Box	IP 68 rated Split Junction Box with Individual Bypass Diode
Connector	IP 68 rated MC4 Compatible
Front Cover(Glass)	3.2 mm Low Iron High Transmission AR Coated Tempered Glass
Back Cover (Backsheet)	Poly Vinyl Fluoride/Transparent Backsheet (Composite Film)
Encapsulant	PID Free and UV Resistant
Frame	Black Anodized Aluminum Frame
Application Class Rating	Class A
Safety Class Rating	Class II
Fire Safety	Class C
Mechanical Load	Snow Load 5400 Pa, Wind Load 2400 Pa
Cable Type	4 mm <sup>2</sup>

### TEMPERATURE RATINGS

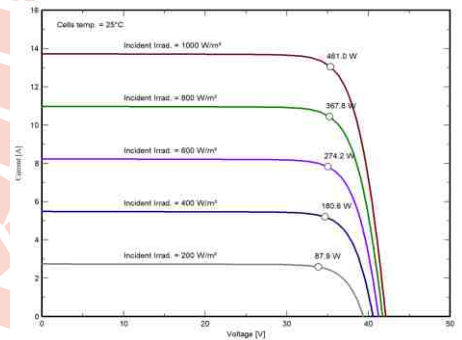
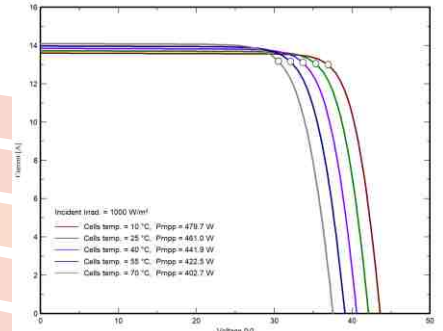
NOCT	45°C ± 2°C
Temperature Coefficient of Pmax	-0.39% /°C
Temperature Coefficient of Voc	-0.30% /°C
Temperature coefficient of Isc	0.06% /°C
Temperature Range	-40°C to +85°C

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30A

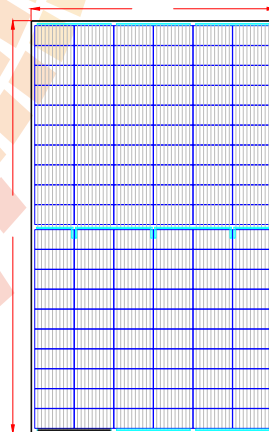
### PACKING CONFIGURATION

Container	40' HQ
Pieces per Pallet	31
Pallets per container	24
Pieces per container	744

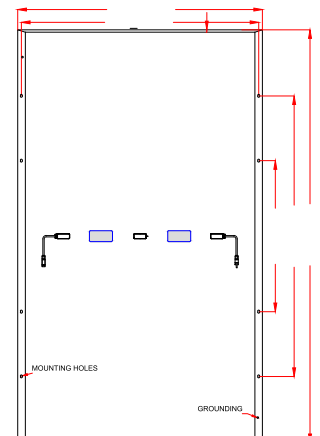
### Characteristic Curves



**12 Years Product Warranty**  
**25 Years Power Output Warranty**



FRONT VIEW



BACK VIEW

Specifications provided in the datasheet are subject to change without Prior notice.