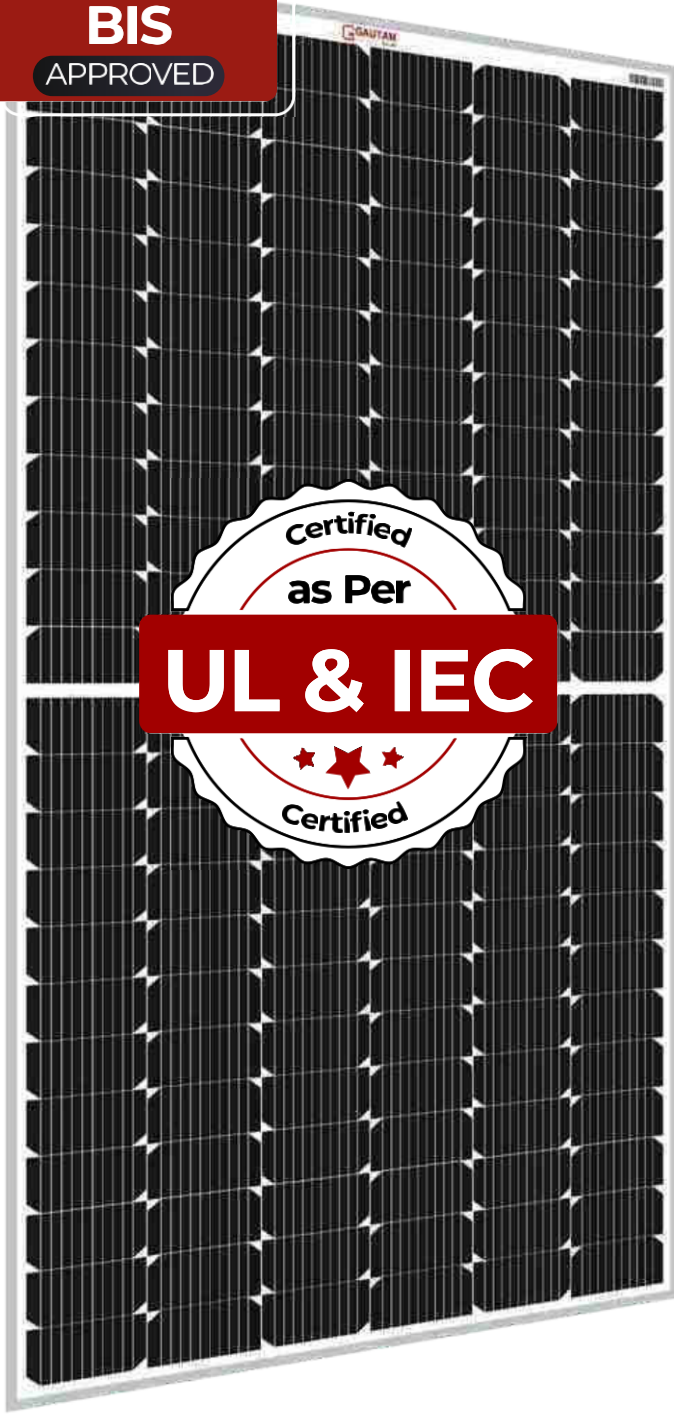


ALMM
&
BIS
APPROVED

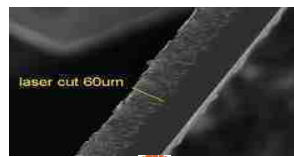


525 Wp - 550 Wp

Ideal for **Utility** & **Commercial** Installations

Non Destructive Cell Cutting for Zero Micro Cracks

✗ Manual Laser
Cutting



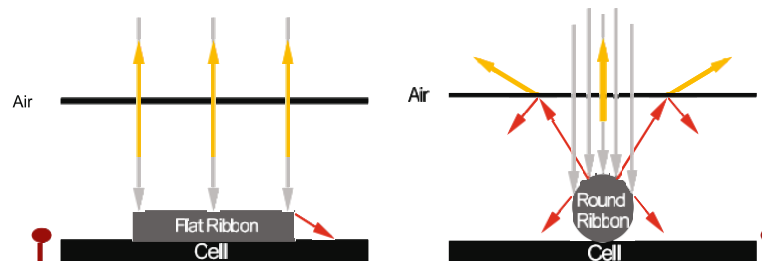
More than 1500 °C
High Temperature

Non-Destructive
Cutting (NDC)
30% More
Mechanical Strength ✓



Less than 130 °C
Low Temperature

Round Ribbon for Higher Light Utilization



ELECTRICAL DATA (STC):

Model No	G2XBifacial1682-HAD	G2XBifacial1689-HAD	G2XBifacial1695-HAD	G2XBifacial1702-HAD	G2XBifacial1715-HAD
Peak Power Output -Pmax(Wp)	525	530	535	540	550
Power Output Tolerance (Wp)	0~+5	0~+5	0~+5	0~+5	0~+5
Open Circuit Voltage-Voc(V)	48.91	49.05	49.14	49.23	49.48
Maximum Power Voltage-Vmpp(V)	41.35	41.50	41.70	41.80	42.06
Short circuit current-Isc(A)	13.60	13.65	13.71	13.79	13.92
Maximum Power Current-Imp(A)	12.70	12.77	12.83	12.92	13.08
Module Efficiency (%)	20.32	20.52	20.71	20.90	21.29
Fill Factor (%)	78.95	79.15	79.41	79.55	79.87

*(STC) - 1000 W/m2 irradiance, Air Mass 1.5 and 25°C cell temperature

ELECTRICAL DATA (NOCT):

Peak Power Output -Pmax(Wp)	390.08	393.79	397.51	401.22	408.65
Open Circuit Voltage-Voc(V)	45.49	45.62	45.70	45.78	46.02
Maximum Power Voltage-Vmpp(V)	37.84	37.97	38.16	38.25	38.48
Short circuit current-Isc(A)	11.04	11.08	11.13	11.20	11.30
Maximum Power Current-Imp(A)	10.31	10.37	10.42	10.49	10.62

*(NOCT) - 800 W/m2 irradiance, Air Mass 1.5, Ambient temperature 20°C and Wind speed 1 m/s

TOTAL POWER (FRONT+BACK)

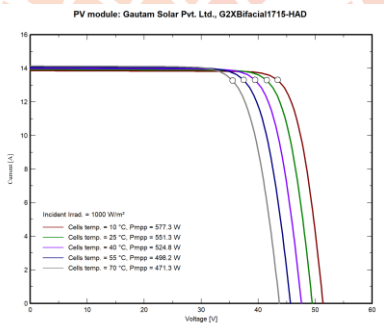
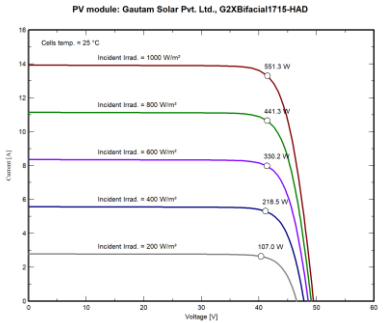
Gain	Peak Power (Wp)	Efficiency η_m (%)	578	583	589	594	605
With 10% Gain	Peak Power (Wp)	Efficiency η_m (%)	22.36	22.57	22.78	22.99	23.42
With 15% Gain	Peak Power (Wp)	Efficiency η_m (%)	23.37	23.59	23.82	24.04	24.48
With 20% Gain	Peak Power (Wp)	Efficiency η_m (%)	24.39	24.62	24.85	25.08	25.55
With 25% Gain	Peak Power (Wp)	Efficiency η_m (%)	25.40	25.65	25.89	26.13	26.61
With 30% Gain	Peak Power (Wp)	Efficiency η_m (%)	26.42	26.67	26.92	27.18	27.68

MECHANICAL DATA

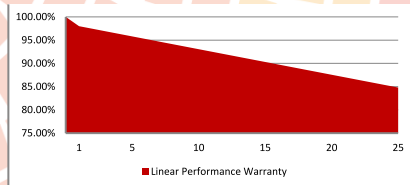
Solar Cells Per Module (Units)	144
Cells Configuration (Matrix)	12x6 12x6
Cell Size (mm)	91 x 182
Length(L) x Width(W) x Thickness(T) in mm	2278 X 1134 X 35
Area of module (sq-m)	2.583252
Weight of module(kg)	27.1 ± 2%Kg

Solar Cell	Mono PERC Bifacial, 91 x 182 mm
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)	Transparent Backsheet (Composite Film)
Encapsulant	PID Free and UV Resistant
Frame	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 ²

Characteristic Curves



The Graphs are for reference purpose only. Please consult Gautam Solar technical team for further clarifications.

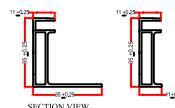
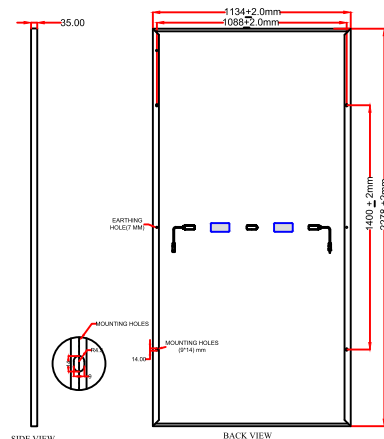
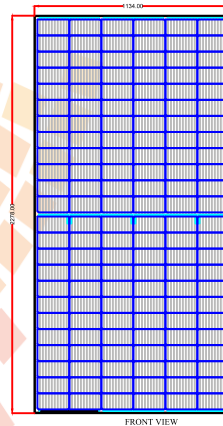


Temperature Ratings

NOCT	45°C±2°C
Temperature Coefficient of Pmax	-0.33 %/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature coefficient of Isc	0.05%/°C
Operating Temperature Range	- 40°C to + 85°C

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A

Engineering Drawings



25 Years Power Output Warranty

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