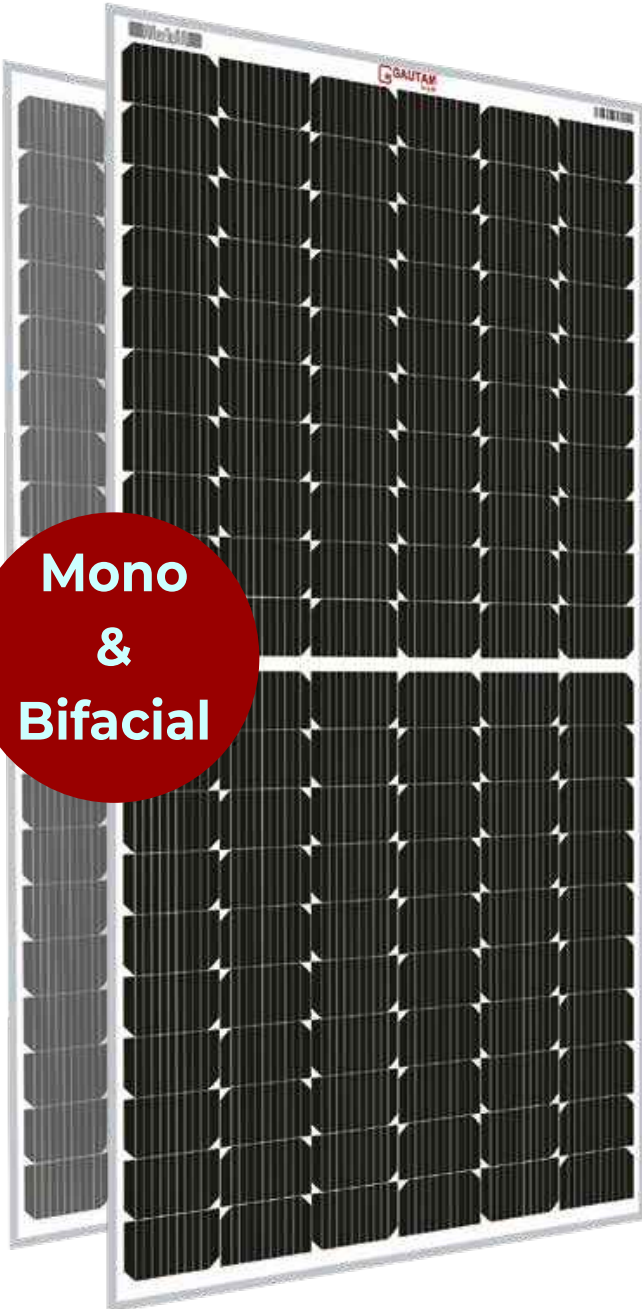




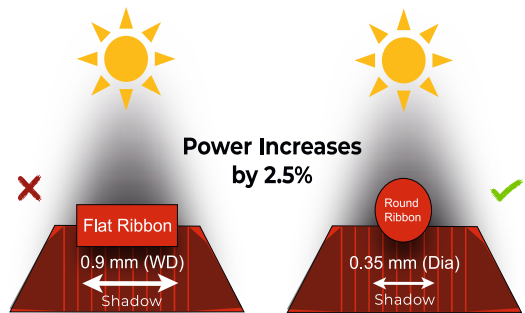
GAUTAM
SOLAR

G2X-10BB Mono PERC Half-cell
440 Wp - 450 Wp 120 Cell

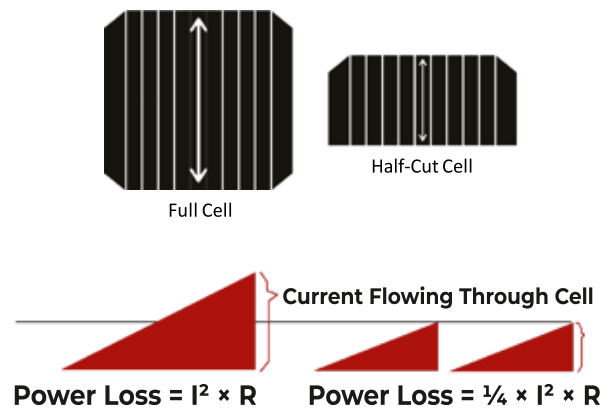
**Mono
&
Bifacial**



Round Ribbon for Higher Light Utilization



Half-Cut Cells for Lower Electrical Losses



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FRONT SIDE ELECTRICAL DATA (STC)			
Model No.	G2X-440-UHAA	G2X-445-HAA	G2X-450-UHAA
Peak Power Output - Pmax(Wp)	440	445	450
Power Output Tolerance (Wp)	0 ~ +5	0 ~ +5	0 ~ +5
Open Circuit Current-Voc(A)	40.75	40.95	41.20
Maximum Power Voltage-Vmpp(V)	35.28	35.40	35.64
Short circuit current-Isc(A)	13.35	13.45	13.51
Maximum Power Current-Imp(A)	12.47	12.57	12.63
Module Efficiency (%)	20.18	20.41	20.64
Fill Factor (%)	80.88	80.79	80.85

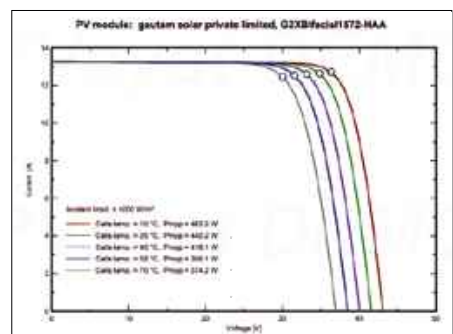
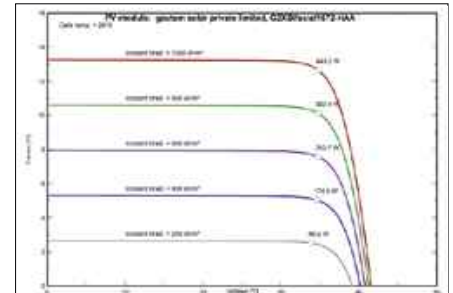
BACK SIDE POWER GAIN (Available in Transparent Backsheet Only)				
With 10% Gain	Peak Power (Wp)	44	45	45
With 15% Gain	Peak Power (Wp)	66	67	68
With 20% Gain	Peak Power (Wp)	88	89	90
With 25% Gain	Peak Power (Wp)	110	111	113
With 30% Gain	Peak Power (Wp)	132	134	135

TOTAL POWER (FRONT+BACK)				
With 10% Gain	Peak Power (Wp)	484	490	495
	Efficiency η_m (%)	22.19	22.45	22.70
With 15% Gain	Peak Power (Wp)	506	512	518
	Efficiency η_m (%)	23.20	23.47	23.73
With 20% Gain	Peak Power (Wp)	528	534	540
	Efficiency η_m (%)	24.21	24.49	24.76
With 25% Gain	Peak Power (Wp)	550	556	563
	Efficiency η_m (%)	25.22	25.51	25.79
With 30% Gain	Peak Power (Wp)	572	579	585
	Efficiency η_m (%)	26.23	26.53	26.83

MECHANICAL DATA	
Solar Cells Per Module (units)	120
Cells Configuration (Matrix)	20 × 6
Monocrystalline Solar Half-cell Size(mm)	182 × 91
Length(L) × Width(W) × Thickness(T) in mm	1923 × 1134 × 35
Area of module (sq-m)	2.180682
Weight of module(kg)	23.6

Junction Box	IP 68 rated Split Junction Box with Individual Bypass Diode
Connector	(MC4) Amphenol
Front Cover(Glass)	Low Iron High Transmission AR Coated Tempered Glass
Encapsulant	EVA
Back cover(Backsheet)	Poly Vinyl Fluoride/Transparent Backsheet (composite film)
Frame	Anodized Aluminum Frame

Temperature Ratings	
NOCT	45°C ± 2°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	25A
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



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