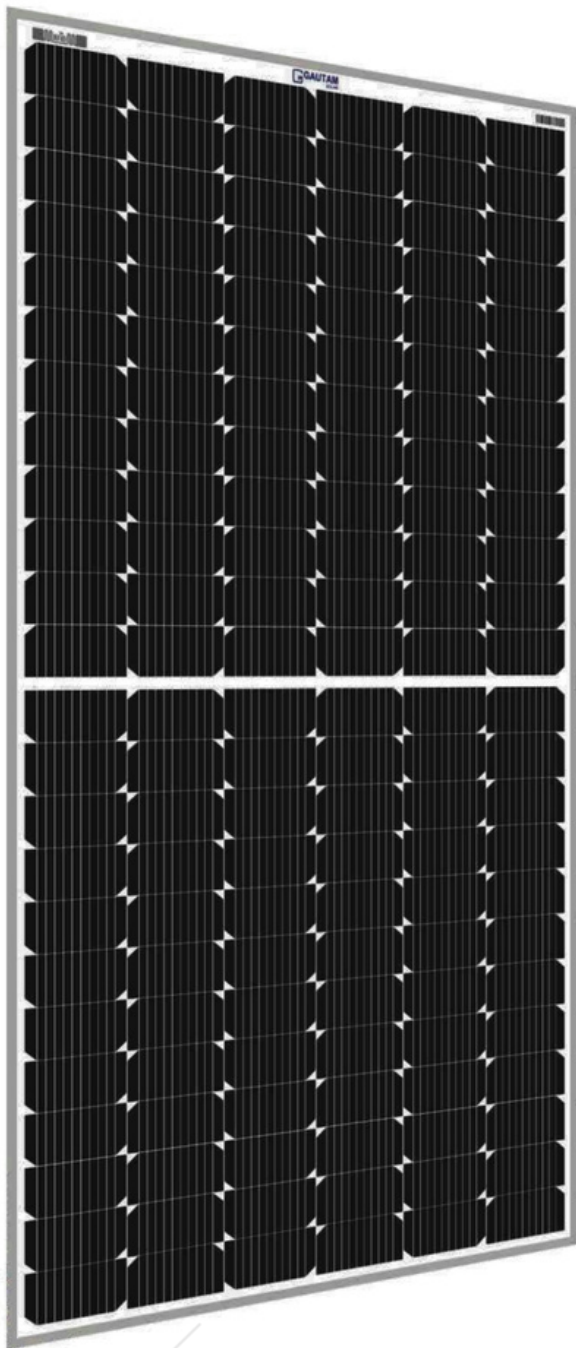


Mono Perc (Bifacial)

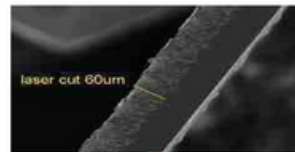
550Wp

Ideal for Utility & Commercial Installations



Non Destructive Cell Cutting for Zero Micro Cracks

✗ Manual Laser Cutting



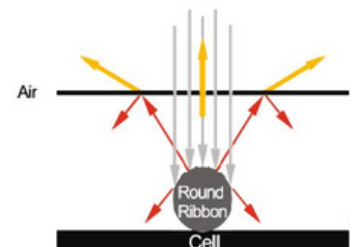
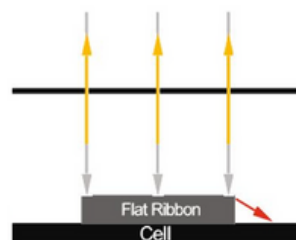
More than 1500 °C
High Temperature

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



Less than 130 °C
Low Temperature

Round Ribbon for Higher Light Utilization



ELECTRICAL DATA (STC)

Peak Power Output -Pmax(Wp)	550
Power Output Tolerance (Wp)	0~+5
Open Circuit Voltage-Voc (V)	49.48
Maximum Power Voltage-Vmpp(V)	42.06
Short circuit current-Isc(A)	13.92
Maximum Power Current-Impp(A)	13.08
Module Efficiency (%)	21.29
Fill Factor (%)	79.87

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

ELECTRICAL DATA (NOCT):

Peak Power Output -Pmax(Wp)	408.65
Open Circuit Voltage-Voc (V)	46.02
Maximum Power Voltage-Vmpp(V)	38.48
Short circuit current-Isc(A)	11.30
Maximum Power Current-Impp(A)	10.62

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

TOTAL POWER (FRONT+BACK)

With 10% Gain	Peak Power (Wp)	605
	Efficiency η_m (%)	23.42
With 15% Gain	Peak Power (Wp)	633
	Efficiency η_m (%)	24.48
With 20% Gain	Peak Power (Wp)	660
	Efficiency η_m (%)	25.55
With 25% Gain	Peak Power (Wp)	688
	Efficiency η_m (%)	26.61
With 30% Gain	Peak Power (Wp)	715
	Efficiency η_m (%)	27.68

MECHANICAL DATA

Solar Cells Per Module (units)	144
Cell Configuration (Matrix)	12X6 II 12X6
Cell Size (mm)	91X182
Length(L) x Width (W) x Thickness(T) in mm	2278X1134X35
Area of module (sq-m)	2.583252
Weight of module(kg)	27.1+2% Kg

Solar Cell	Mono PERC Bifacial, 91x182mm
Front Cover(Glass)	(3.2mm) Low Iron High Transmission AR Coated Tempered Glass
Back cover(Backsheet)	Transparent Backsheet (Composite Film)
Encapsulant	PID Free and UV Resistant
Junction Box	IP 68 rated Split Junction Box with Individual Bypass Diode
Connector	IP 68 rated (MC4) Compatible
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 mm2

TEMPERATURE RATINGS

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

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

25 Years Power Output Warranty

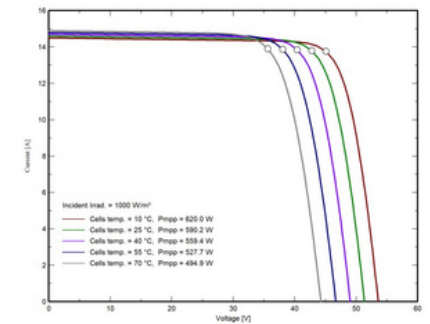
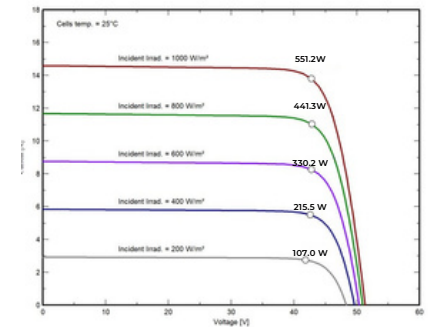
Specifications Provided in the datasheet are subject to change without Prior notice.

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Characterstics Curve



Engineering Drawings

