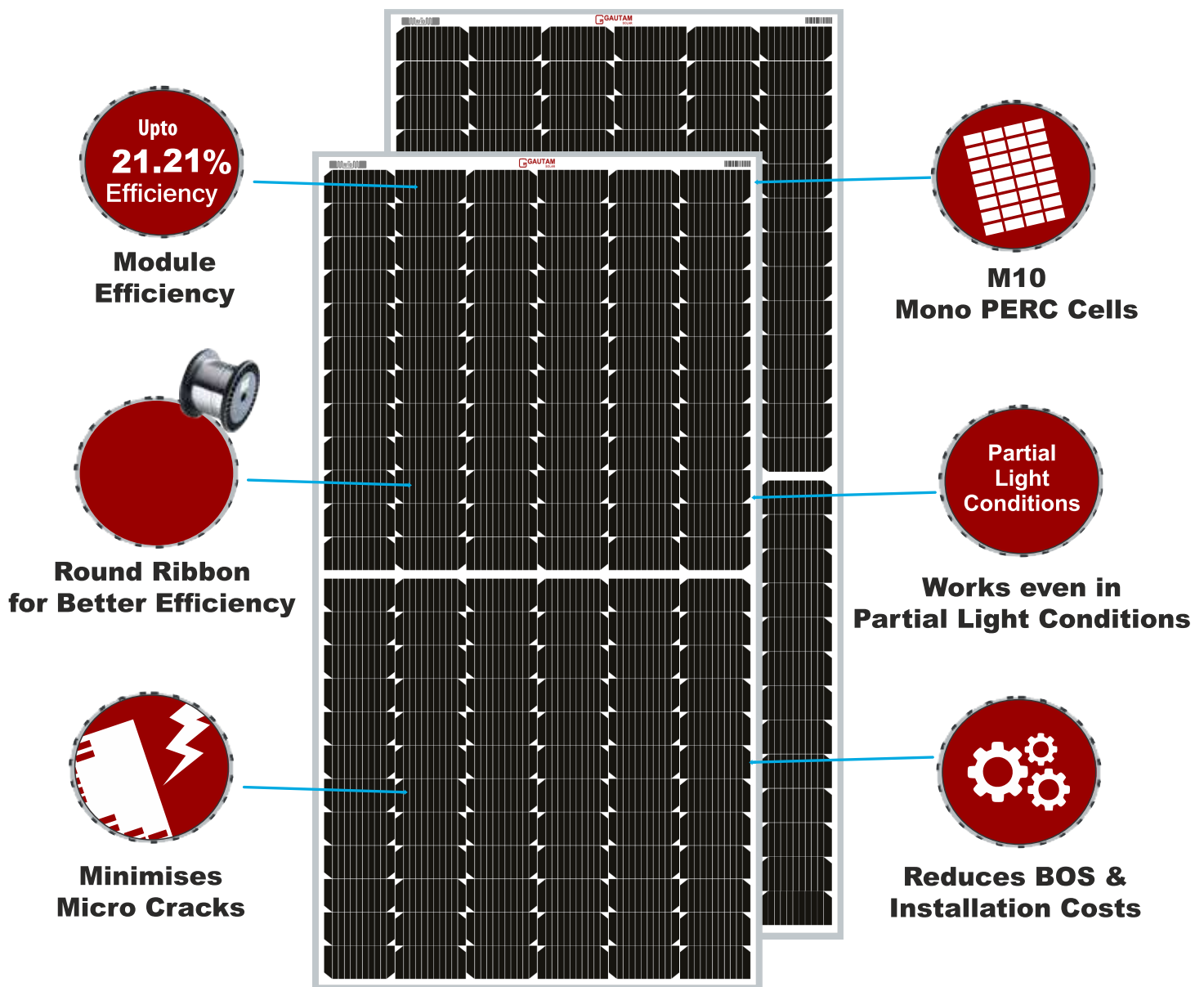


### Ideal for Large - Scale Installations



### Highly Efficient PV Module

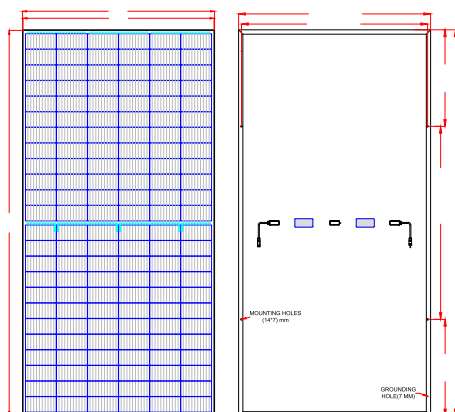
### ELECTRICAL DATA (STC)

Model No:	G2X-525-HAD	G2X-530-HAD	G2X-535-HAD	G2X-540-HAD	G2X-545-HAD	G2X-550-HAD	G2X-580-HAE	G2X-585-HAE	G2X-590-HAE	G2X-595-HAE
Peak Power Watts-Pmax	525	530	535	540	545	550	580	585	590	595
power Output Tolerance - PMAX	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5	0 ~ +5
Maximum Power Voltage VMPP(V)	41.35	41.5	41.7	41.8	41.939	42.058	45.06	45.2	45.37	45.51
Short Circuit Current - ISC (A)	13.6	13.65	13.71	13.79	13.86	13.92	13.6	13.65	13.71	13.79
Open Circuit Voltage Voc (V)	48.91	49.05	49.14	49.23	49.34	49.48	53.62	53.82	54.05	54.17
Maximum Power Current IMPP (A)	12.70	12.77	12.83	12.92	13.00	13.08	12.87	12.94	13.00	13.07
Module Efficiency $\eta_m$ (%)	<b>20.31</b>	<b>20.50</b>	<b>20.70</b>	<b>20.89</b>	<b>21.08</b>	<b>21.28</b>	<b>20.74</b>	<b>20.92</b>	<b>21.10</b>	<b>21.28</b>

### MECHANICAL DATA

Solar Cells Per Module (Units)	144	156
Monocrystalline Solar Cell Size (mm)	91 X 182	
Module Size (L x W x T) mm	2280 X 1134 X 35	2466 X 1135 X 35
Weight	27.10 Kg	29.10 Kg
J - Box	IP68/ Split junction box with Individual by pass diodes	
Connector	(MC4) Amphenol	
Glass	Low iron High Transmission AR coated tempere	
Backcover	Poly Vinyl Fluoride (Composite film)	
Frame	Silver Anodized Aluminum Frame	

## Engineering Drawings



### Temperature Coefficients (Tc) permission operating conditions

Tc of Open Circuit Voltage [ $\beta$ ]	-0.27%/°C
Tc of Open Circuit Current [ $\alpha$ ]	0.050%/°C
Tc of Power [ $\gamma$ ]	-0.35%/°C
Maximum System Voltage	1500V
NOCT	45°C $\pm$ 2°C
Temperature Range	-40°C to + 85°C

