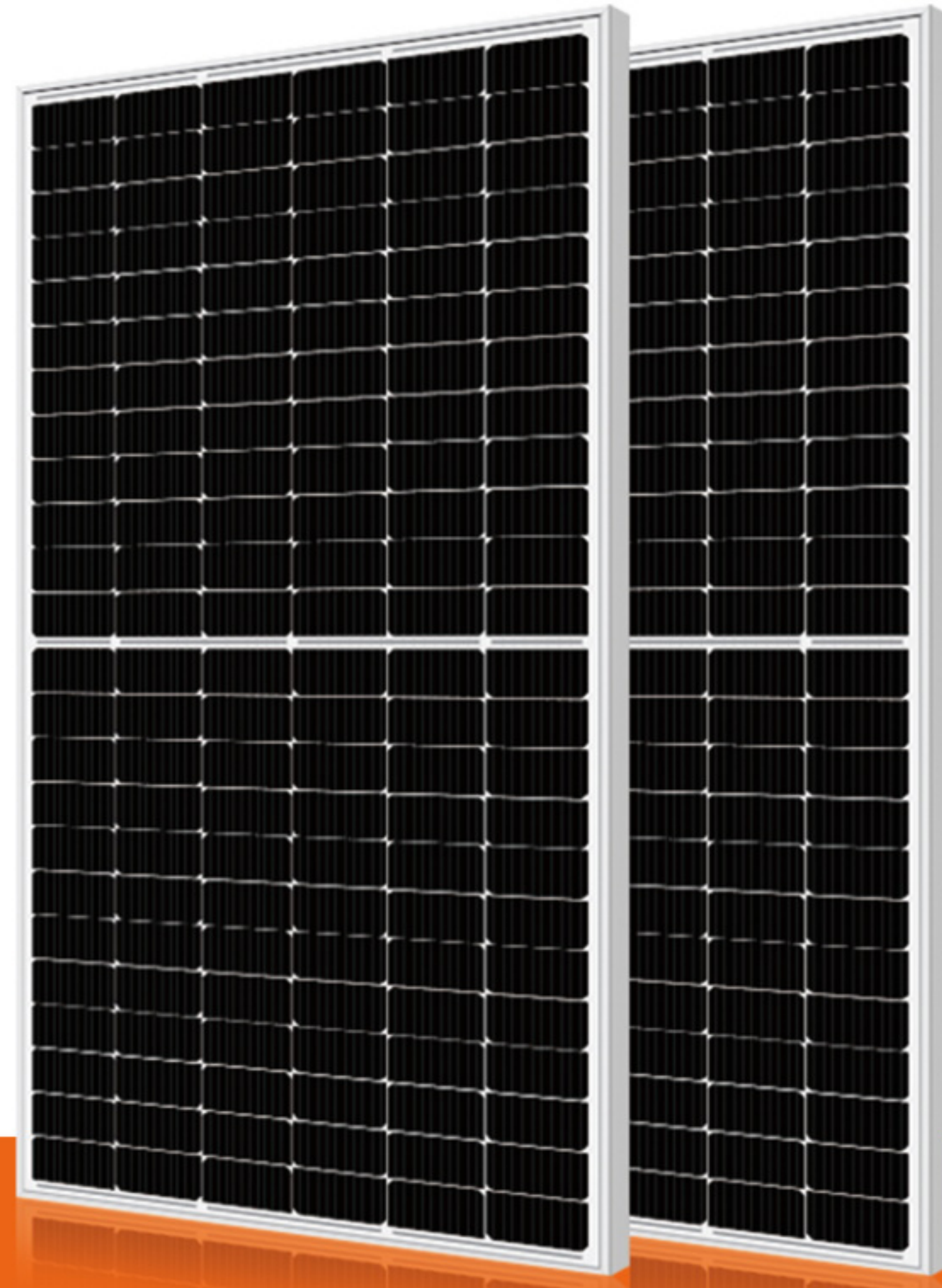


MONO SOLAR MODULE 550W



SGS IEC61215 IEC61730
IEC17020 IEC17025 IEC17065

**500W 510W 520W
530W 540W 550W**

Higher Output Power
Lower LCOE

100% EL Detection
Guarantee No Micro Cracks

Excellent Anti-PID Low LID
Performance

Less Hot Spot Shading Effects

Low Degradation
First Year $\leq 2\%$ Year On Year $\leq 0.5\%$

8 Years Material And Process Warranty
25 Years Linear Power Output Warranty

ELECTRICAL CHARACTERISTICS

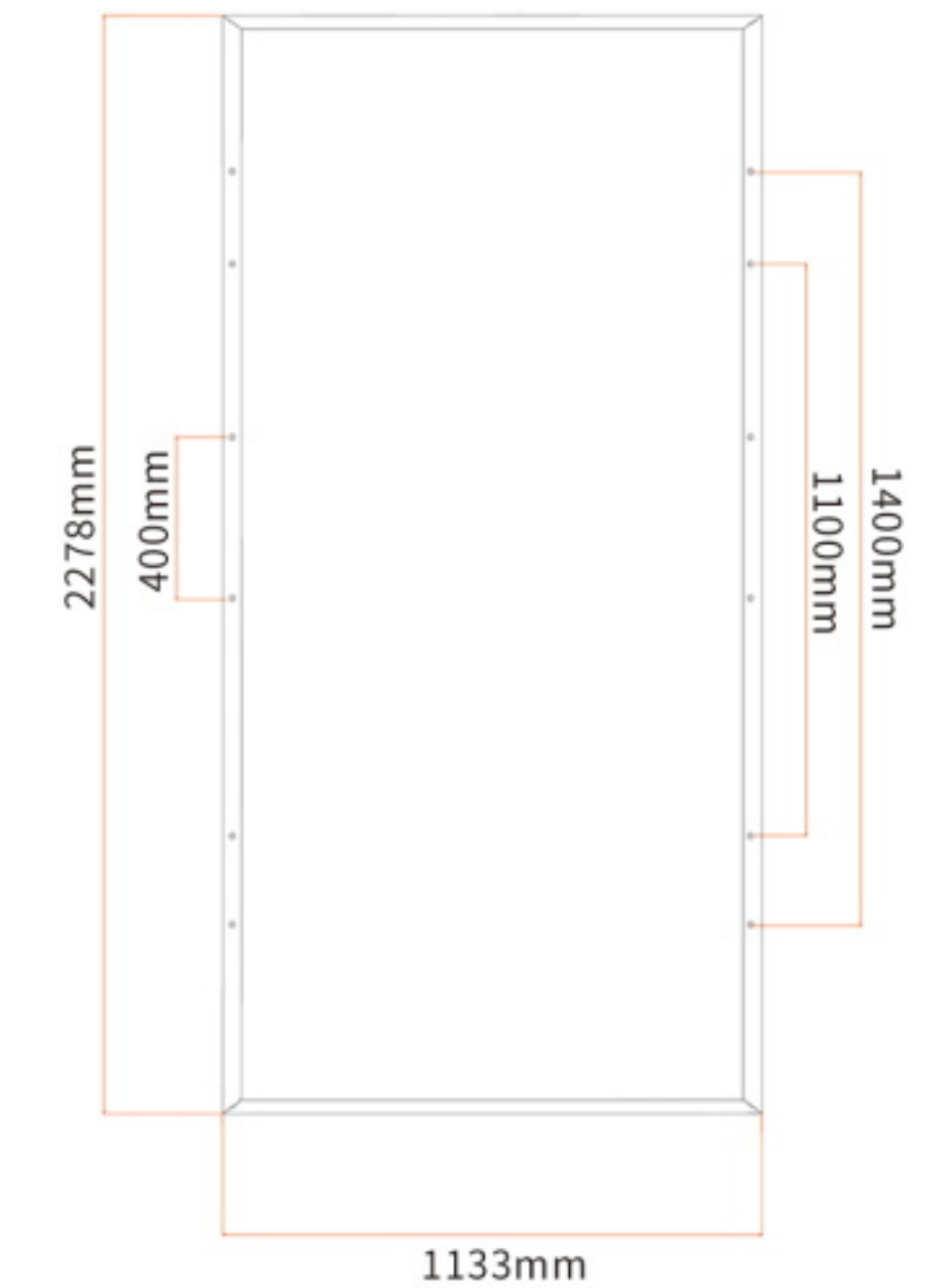
POWER TOLERANCE: $\pm 3\%$

Model	GSMB500-144		GSMB510-144		GSMB520-144		GSMB530-144		GSMB540-144		GSMB550-144	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOT	STC	NOTC
Pmax/W	500	370	510	377	520	385	530	393	540	400	550	407
Vmp/V	40.21	37.13	40.66	37.54	41.01	37.86	41.41	38.23	41.76	38.56	42.11	38.88
Imp/A	12.41	9.94	12.54	10.04	12.67	10.15	12.81	10.26	12.93	10.36	13.06	10.46
Voc/V	48.13	45.24	48.51	45.60	48.91	45.98	49.28	46.32	49.61	46.63	49.93	46.93
Isc/A	12.68	10.17	12.93	10.37	13.21	10.59	13.46	10.79	13.68	10.97	13.89	11.14

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5G NOTC: Irradiance 800W/m², Cell temperature 20°C, AM1.5G, Wind speed 1m/s

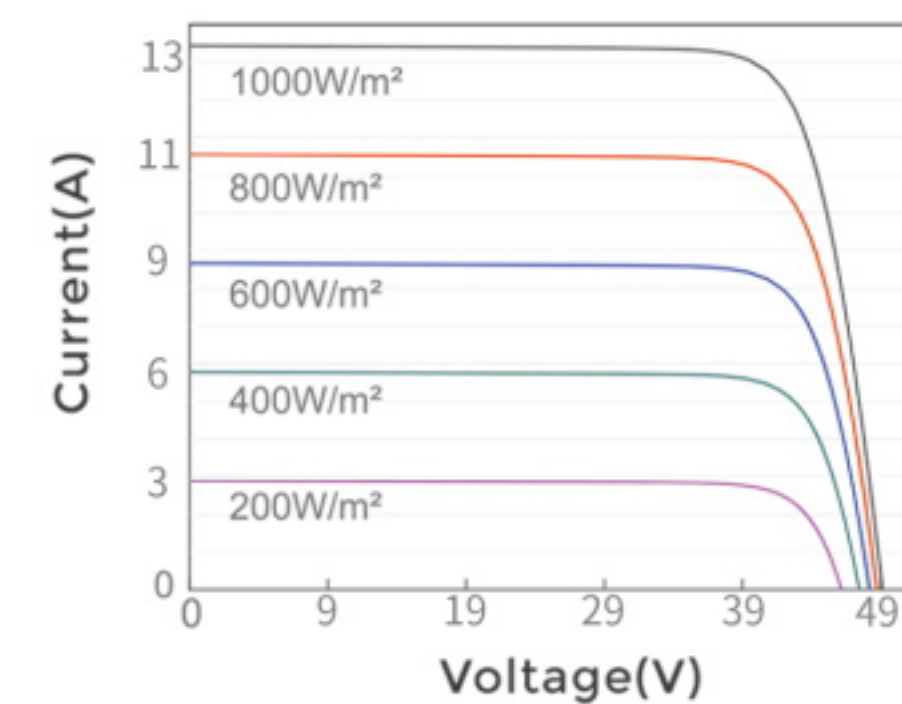
MECHANICAL PARAMETERS

Cell Type	Mono-crystalline Silicon
No.of Cells	144 (6*24)
Dimensions	2278 x 1133 x 35mm
Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Juncon Box	IP68, three diodes
Output Cable	4.0mm ² Length can be customized
Connectors	MC4 compatible
Mechanical load test	Front 5400Pa / Rear 2400Pa
PV Module Fire Class	Class C
Hailstone Test	25mm Hailstone at the speed of 23m/s
Working temperature	-40~+85°C
Maximum voltage	1500V DC
Battery operating temperature	44 \pm 2°C



CHARACTERISTICS

Current-Voltage Curve **GSMB550-144**



Power-Voltage Curve **GSMB550-144**

