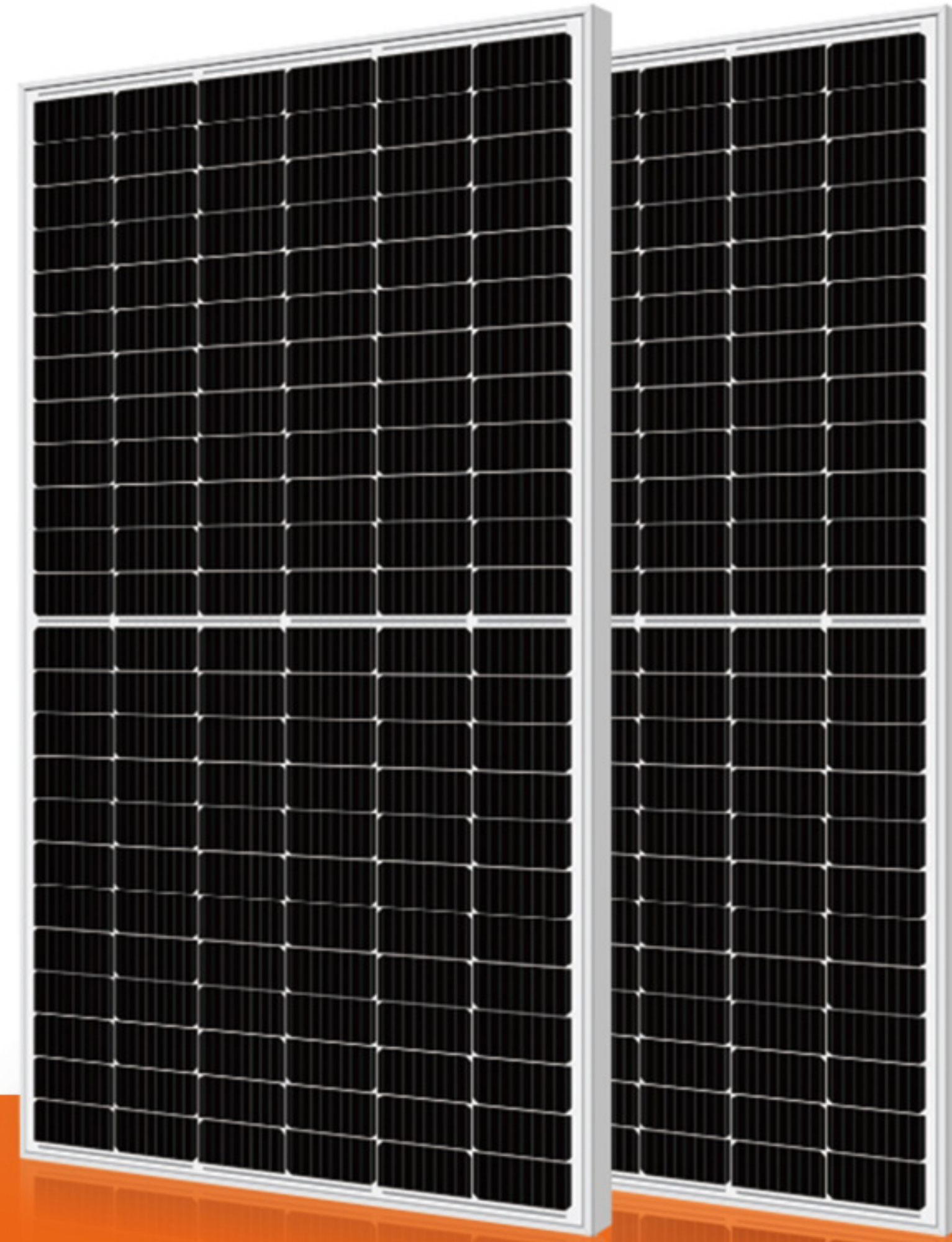


MONO SOLAR MODULE **450W**



SGS IEC61215 IEC61730
IEC17020 IEC17025 IEC17065

400W 410W 420W
430W 440W 450W



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

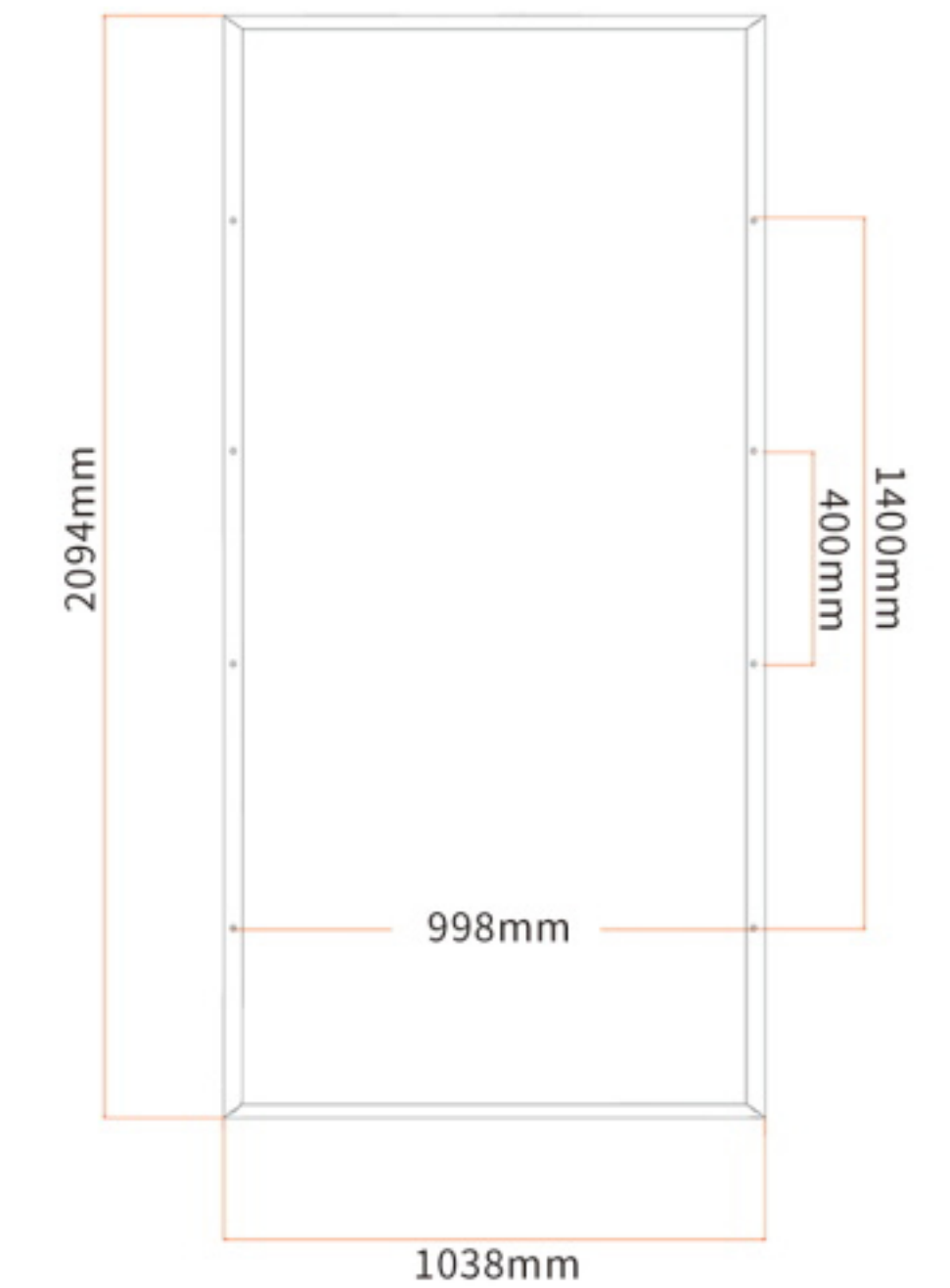
POWER TOLERANCE: $\pm 3\%$

Model	GSMB400-144		GSMB410-144		GSMB420-144		GSMB430-144		GSMB440-144		GSMB450-144	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Pmax/W	400	296	410	304	420	311	430	319	440	326	450	333
Vmp/V	39.48	36.45	39.89	36.83	40.30	37.21	40.71	37.59	41.12	37.97	41.49	38.31
Imp/A	10.13	8.11	10.27	8.23	10.42	8.35	10.56	8.46	10.70	8.57	10.84	8.68
Voc/V	47.19	44.36	47.59	44.73	48.01	45.13	48.51	45.60	48.92	45.98	49.42	46.45
Isc/A	10.81	8.67	10.98	8.81	11.12	8.92	11.29	9.05	11.45	9.18	11.56	9.27

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

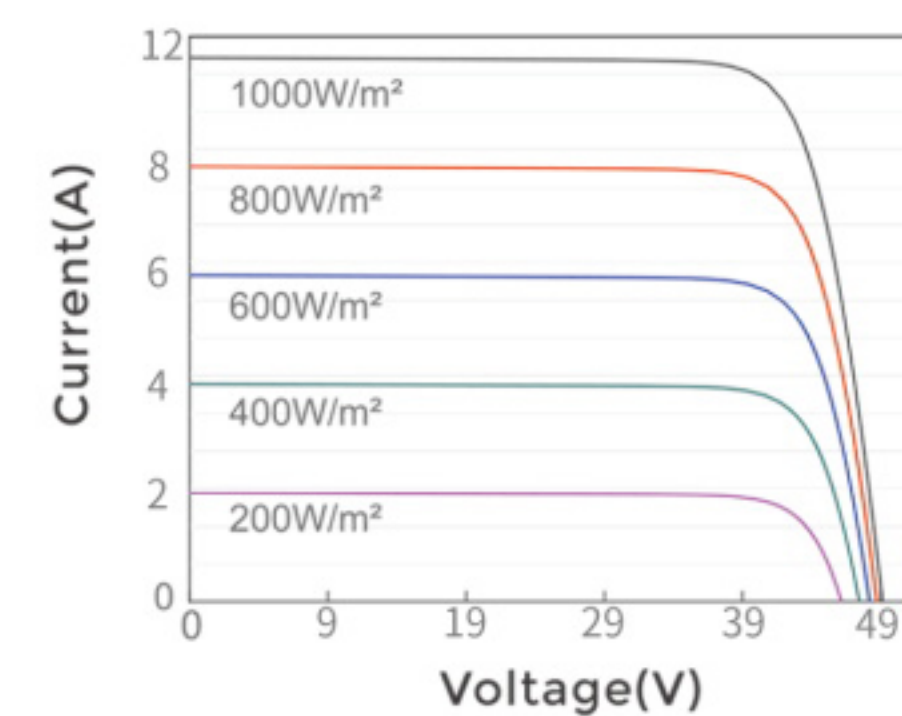
MECHANICAL PARAMETERS

Cell Type	Mono-crystalline Silicon
No.of Cells	144 (6*24)
Dimensions	2094 x 1038 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 **GSMB450-144**



Power-Voltage Curve **GSMB450-144**

