



Perovskite PV Module



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Next Generation of PV Technology **Perovskite PV Module**

Kunshan GCL Photoelectric Materials Co., Ltd., a subsidiary of GCL Tech, is building the world's first GW-level production base for large-size (1.2m × 2.4m) perovskite tandem modules. We have broken the world's record in perovskite module efficiency many times. Until now, our conversion efficiency of single-junction modules and tandem modules reaches 19.04%@2m² (1000 mm × 2000 mm) and 26.34%@2048cm² (369 mm × 555 mm), respectively. GCL aims to develop commercial large-size perovskite tandem modules with a conversion efficiency of 26% above in 2024.



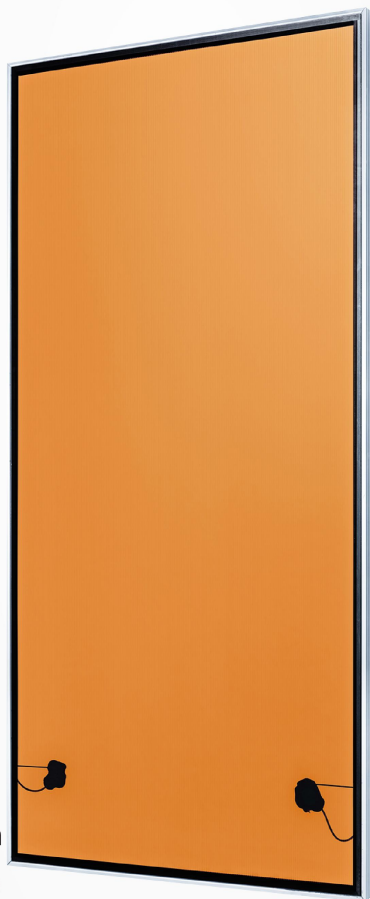
High efficiency

The single-junction efficiency of the perovskite module reaches 19.04%



Low cost

After the GW-level production line is put into operation, the manufacturing cost of perovskite will be reduced to about 50% of that of silicon modules.



Large size

2000mm × 1000mm



Low energy consumption

Low synthesis temperature:
below 200°C
Perovskite layers can cut
carbon emissions down by
more than 90%