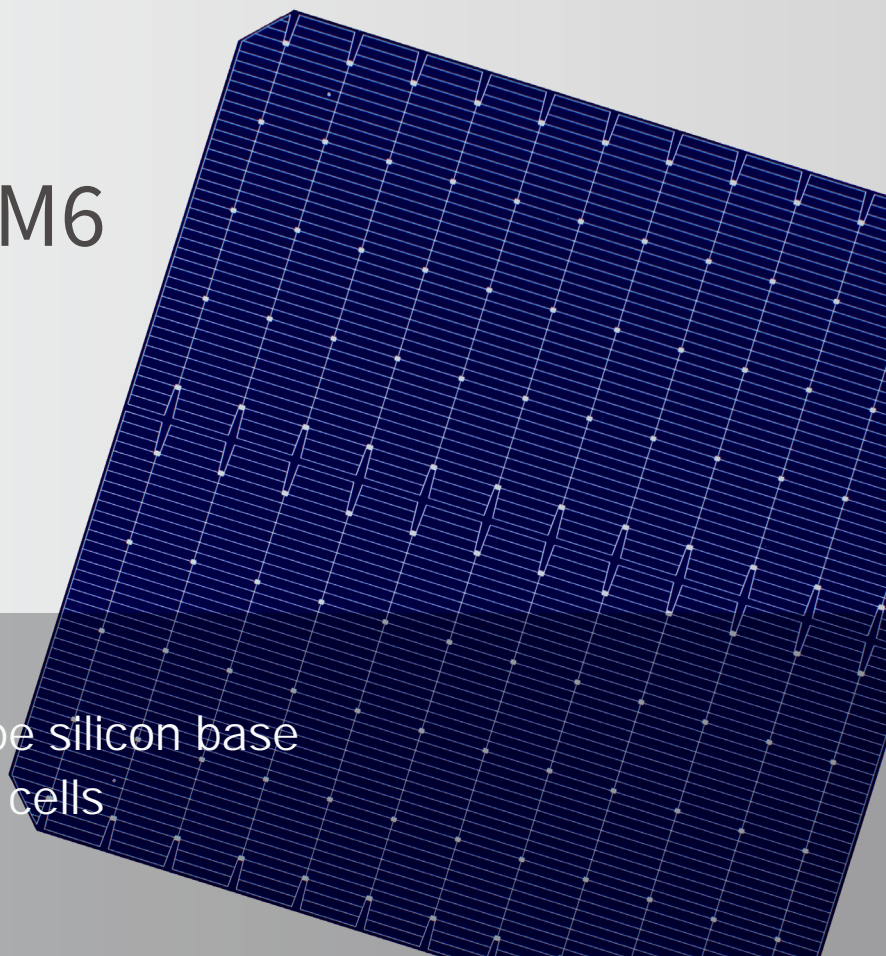




DDK-12BB-M6 240-247



High efficiency N-type silicon base
Heterojunction solar cells

The heterojunction cell is a new N-type silicon solar cell with excellent performance that can generate electricity on both sides. Heterojunction technology combines the advantages of silicon and thin film technology to form a single hybrid structure and is one of the most effective battery passivation technologies on the market. This technology ensures that the cells can deliver high power and efficiency even in hot climates.

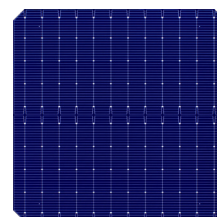
Better Performance

- Bifacial battery structure ensures more efficient backside power generation gain
- Ultra-low temperature coefficient, providing more output power in high temperature environments
- Zero light-induced degradation (LID) and zero potential-induced degradation (PID) mean zero power generation loss

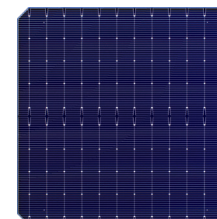
Higher Component Power

- Combined with 12BB multi-busbar and half-cell battery technology, it effectively improves the power output of the module and reduces losses.
- Excellent low-light performance ensures higher power output in lower light conditions.
- Extremely low light-induced degradation (LID) and potential-induced degradation (PID), improving component reliability and extending service life.
- Heterojunction photovoltaic systems provide better LCOE cost.

Front Side

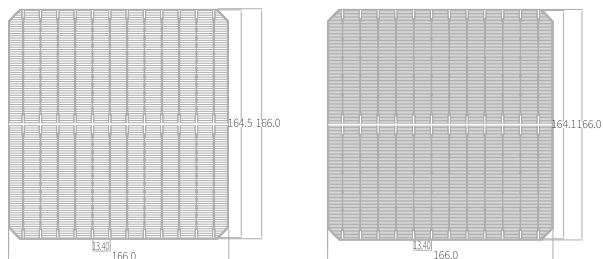


Back Side



Parameter

| | |
|---------------------------------|---|
| Name | Monocrystalline heterojunction solar cells |
| Style | 12 gates, N-type silicon wafer, 166mm*166mm ±0.25mm |
| Average silicon wafer thickness | 140μm ±14μm |
| Front of Cell(-) | 2x12 busbar wires with pad points (silver), dark blue ITO (indium tin oxide) anti-reflective film |
| Back of Cell(+) | 2x12 busbar wires with pad points (silver), dark blue ITO (indium tin oxide) anti-reflective film |

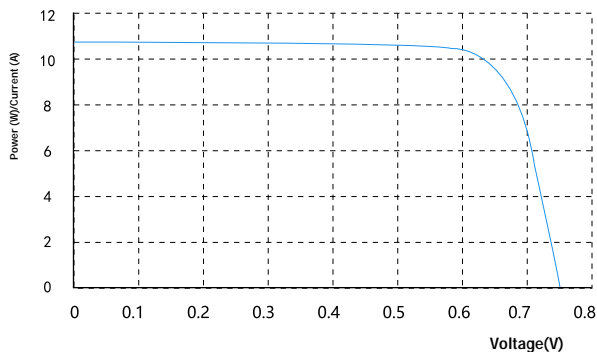


Electrical Performance Parameters (STC)

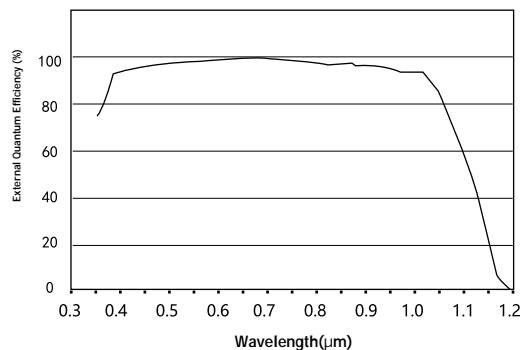
| Model Number | | | HS-M6-240 | HS-M6-241 | HS-M6-242 | HS-M6-243 | HS-M6-244 | HS-M6-245 | HS-M6-246 | HS-M6-247 |
|-----------------------|------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Max Power | Pmpp | [W] | 6.58 | 6.61 | 6.63 | 6.66 | 6.69 | 6.72 | 6.74 | 6.77 |
| Short Circuit Voltage | Isc | [A] | 10.71 | 10.71 | 10.71 | 10.72 | 10.72 | 10.73 | 10.75 | 10.75 |
| Open Circuit Voltage | Voc | [V] | 0.741 | 0.741 | 0.741 | 0.742 | 0.742 | 0.743 | 0.742 | 0.743 |
| Efficiency | η | [%] | 24.0 | 24.1 | 24.2 | 24.3 | 24.4 | 24.5 | 24.6 | 24.7 |

* STC (standard test environment): irradiance 1000 W/m², ambient temperature 25°C, spectrum AM1.5

I-V curve



Spectral Response



Package

| Piece/Box | Box/Carton | Piece/Carton |
|-----------|------------|--------------|
| 120 | 14 | 1680 |

Temperature Coefficient

| | |
|--|-----------|
| Maximum power temperature coefficient (Pmax) | -0.26%/K |
| Current temperature coefficient (Isc) | +0.055%/K |
| Voltage temperature coefficient (Voc) | -0.27%/K |

Storage Instructions

When the sealing foil around the battery box is damaged, cracked or opened, we recommend :

Make sure the battery is kept at room temperature and in a dry and clean environment;

After opening the package, be sure to dispose of the battery within 10 days.