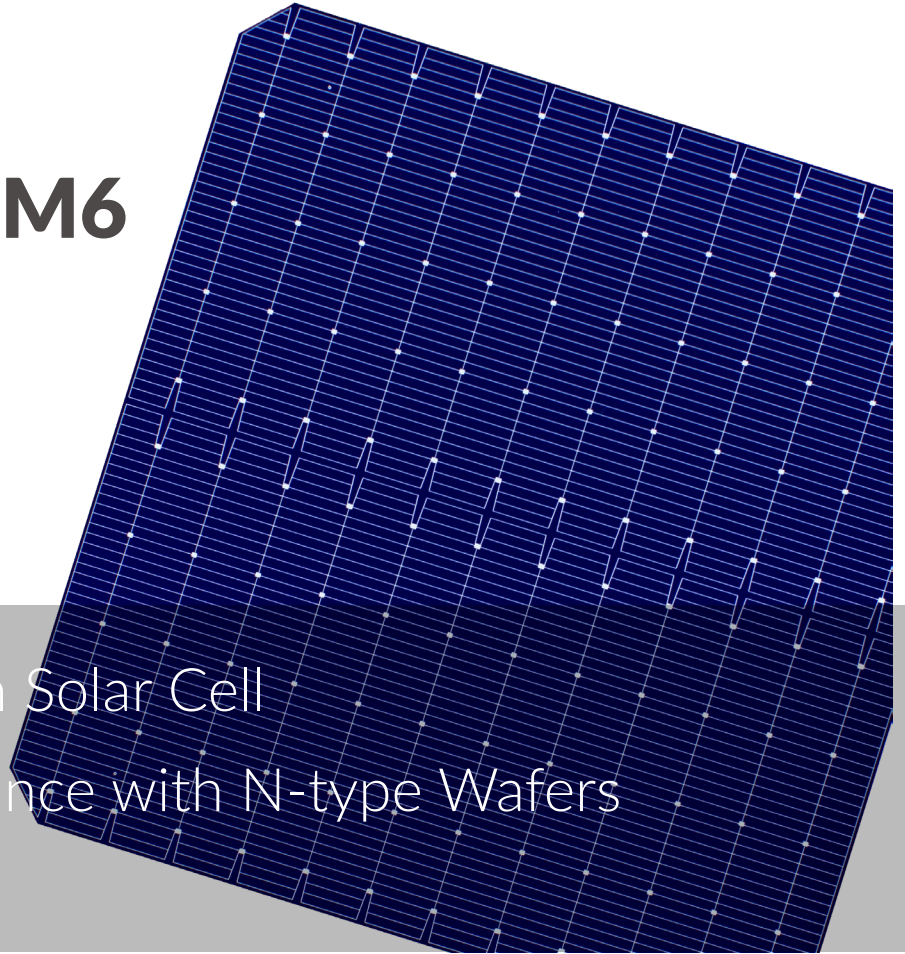


12BB-M6 240-247 Series

Heterojunction Solar Cell
High-Performance with N-type Wafers



HJT solar cell is a new generation superior bifacial solar cell made out of N-type wafer, which combines merits of crystalline silicon and thin-film technology to form a single composite structure. As one of the most effective cell passivation technology in the market, HJT ensures that solar cells deliver high efficiency and great power even in hot climate.

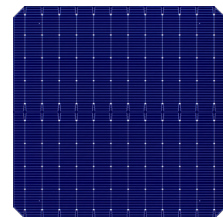
Higher Cell Efficiency

- Bifacial constructure ensures more sunlight captured and converted into power on the back side.
- Ultra-low temperature coefficient ensures more power output in high temperature environment.
- No LID, No PID, lead to zero degradation.

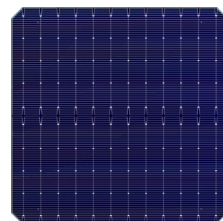
Maximum Module Power

- 12-busbar technology combines half-cell design to deliver higher energy output for maximum cost savings.
- excellent weak light performance ensure higher output in lower light environment
- Extreme low LID and PID supports reliability and longevity.
- Lower LCOE cost by HJT solar system

Front

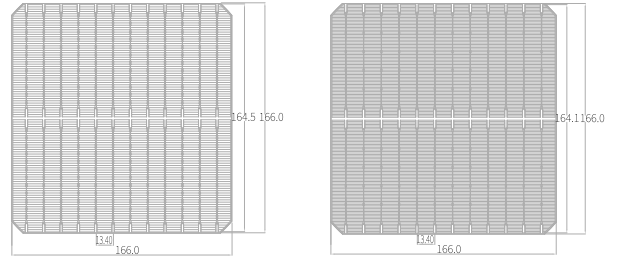


Back



Mechanical Characteristics

Product	HJT Monocrystalline solar cell
Format	12BB, N-type, 166mm*166mm ±0.25mm
Average Thickness (Si)	140μm ±14μm
Front Surface(-)	2 x 12 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)
Back Surface(+)	2 x 12 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)

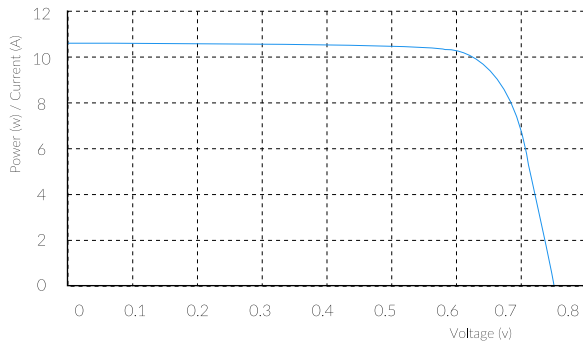


ELECTRICAL CHARACTERISTICS (STC)

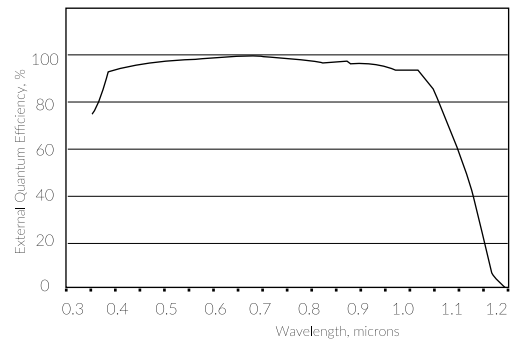
Power Class			M6-240	M6-241	M6-242	M6-243	M6-244	M6-245	M6-246	M6-247
Maximum Power	P _{mpp}	[W]	6.58	6.61	6.63	6.66	6.69	6.72	6.74	6.77
Short Circuit Current	I _{sc}	[A]	10.71	10.71	10.71	10.72	10.72	10.73	10.75	10.75
Open Circuit Voltage	V _{oc}	[V]	0.741	0.741	0.741	0.742	0.742	0.743	0.742	0.743
Efficiency	η	[%]	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7

*PERFORMANCE AT STANDARD TEST CONDITIONS, STC: 1000 W/ m², 25 C, AM 1.5 G

TYPICAL CURRENT/POWER-VOLTAGE CURVES (23.9%)



SPECTRAL RESPONSE



PACKING SPECIFICATIONS

pcs/box	box/carton	pcs/carton
120pcs	14 boxes	1680pcs

TEMPERATURE COEFFICIENTS

Power (P _{max})	-0.26%/K
Current (I _{sc})	+0.055%/K
Voltage (V _{oc})	-0.27%/K

Remind of Storage

If the sealing foil around the cell boxes is damaged, broken or opened, we suggest that:

- to keep the cells at room temperature and in dry and clean atmosphere.
- to process the cells within 10 days after opening the seal.