



# HS-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.

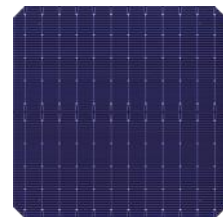
#### Higher Cell Efficiency

- 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.

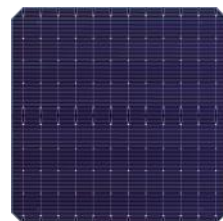
#### Maximum Module Power

- 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

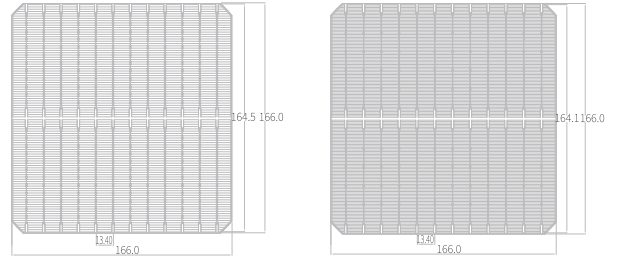


Back



## 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)

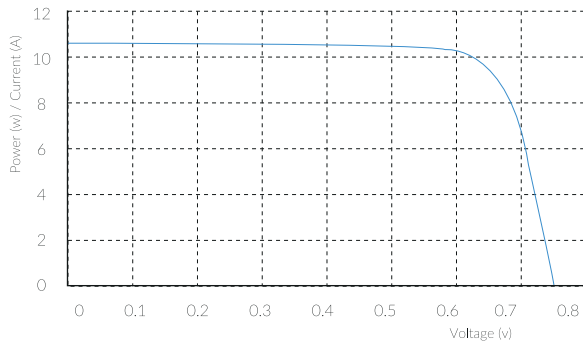


## ELECTRICAL CHARACTERISTICS (STC)

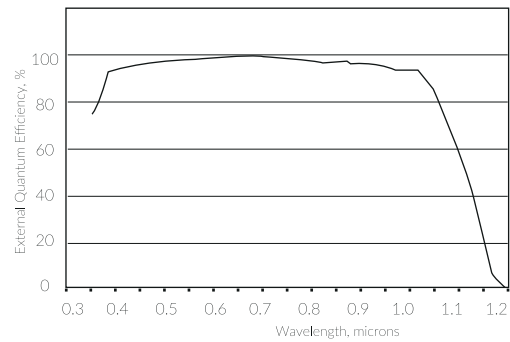
Power Class			HS-M6-240	HS-M6-241	HS-M6-242	HS-M6-243	HS-M6-244	HS-M6-245	HS-M6-246	HS-M6-247
Maximum Power	P <sub>mpp</sub>	[W]	6.58	6.61	6.63	6.66	6.69	6.72	6.74	6.77
Short Circuit Current	I <sub>sc</sub>	[A]	10.71	10.71	10.71	10.72	10.72	10.73	10.75	10.75
Open Circuit Voltage	V <sub>oc</sub>	[V]	0.741	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/ m<sup>2</sup>, 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 <sub>max</sub> )	-0.26%/K
Current (I <sub>sc</sub> )	+0.055%/K
Voltage (V <sub>oc</sub> )	-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.