

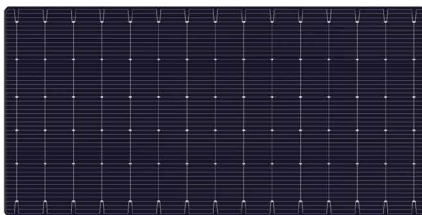


245-252 Series

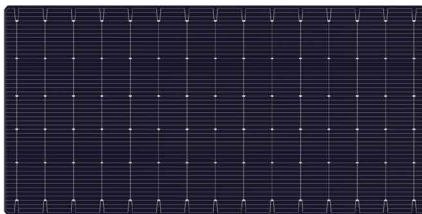
# SE-15BB-G12

**Heterojunction Solar Cell**  
Great Performace 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.



Front side



Back side

### Higher Cell Efficiency

- Phosphorus fettering combines with nano-crystalline process to guarantee higher cell efficiency.
- Ultra-low temperature coefficient ensures more power output in high temperature environment.
- No LID.No PID,lead to zero degradation.

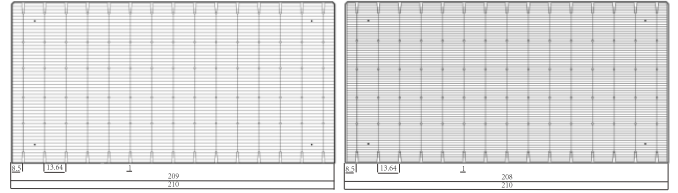
### Maximum Module Power

- 15-busbar technology combines half-cell design to deliver higher energy output for maximum cost savings.
- Bifacial constructure ensures more sunlight captured and converted into power on the back side.
- Extreme low LID and PID supports reliability and longevity.
- Lower LCOE cost by HJT solar system

The soecificaton and key features described in this datasheet may be deviated slightly and are not guaranteed. Huasun reserves the right to make any adjust- ment to the informaton described here at any time without notice. Please always obtain the latest version of the datasheet from our website: [www.sunevo.com](http://www.sunevo.com) or asking our sales for help. This datasheet could be considered as part of the contract if necessary, to make sure the products delivered is the same as the order.

## Mechanical Characteristics

Product	HJT Monocrystalline solar cell
Format	15BB,N-type,210mm*105mm±0.25mm
Average Thickness(Si)	130 $\mu$ m±20 $\mu$ m
Front Surface(-)	15 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)
Back Surface(+)	15 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)

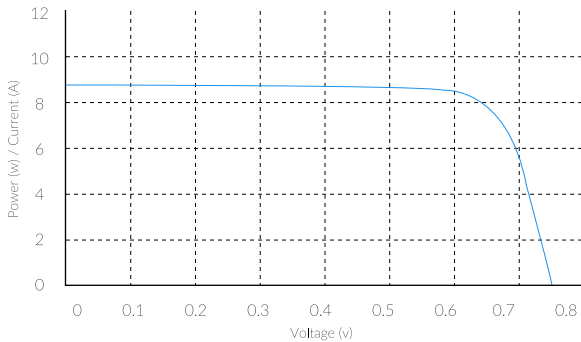


## Electrical Characteristics (stc)

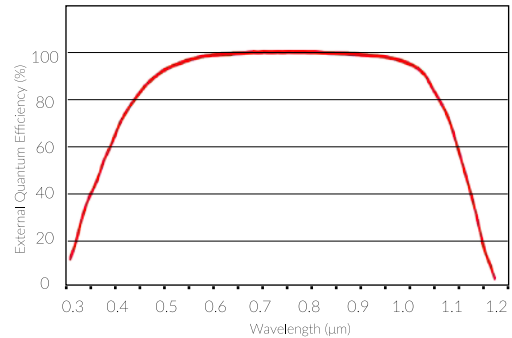
Power Class		SE-G12-245	SE-G12-246	SE-G12-247	SE-G12-248	SE-G12-249	SE-G12-250	SE-G12-251	SE-G12-252
Maximum Power	P <sub>mp</sub> [W]	5.40	5.42	5.45	5.47	5.49	5.51	5.53	5.56
Short Circuit Current	I <sub>sc</sub> [A]	8.68	8.67	8.68	8.69	8.70	8.70	8.72	8.72
Open Circuit Voltage	V <sub>oc</sub> [V]	0.743	0.744	0.744	0.745	0.745	0.746	0.746	0.746
Efficiency	$\eta$ [%]	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2

\* PERFORMANCE AT STANDARD TEST CONDITIONS,STC:1000W/m<sup>2</sup>,25°C,AM 1.5 G

## Typical Current/Power-Voltage Curves (25.0%)



## Spectral Response



## Packing Specifications

pcs/box	box/carton	pcs/carton
18	120	2160

## 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:

- Store the cells in dry and clean place at room temperature
- Process the cells within 10days after opening the seal.