HENERGY SOLAR
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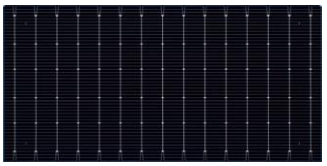
HS-15BB-G12
245-252
Series

Heterojunction Solar Cell
Great Performace With N-type Wafers

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

Higher Cell Efficiency

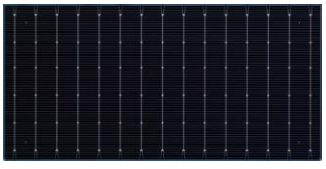
- Phosphorus fettering combines with nano-crystalline process to guarantee higher cell efficiency.
- Ultra-low temperature coefficiency ensures more power output in high temperature environment.
- No LID, No PID, lead to zero degradation.



Front Side

Maximum Module Power

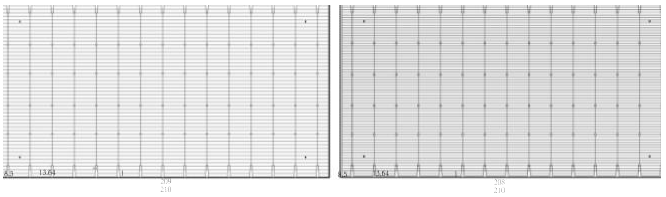
- 15 Busbar Technology combines half-cell design to deliver high energy output for maximum cost savings
- Bifacial constructure ensures more sunlight captured and converted into power on back side.
- Extreme low LID and PID supports reliability and longevity.
- Low LCOE cost by HJT solar system



Back Side

Mechanical Characteristics

Product	HJT Monocrystalline soalr cell
Format	15BB, N-type, 210mm*105mm ±0.25mm
Average Thickness (Si)	130μm ±20μm
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)

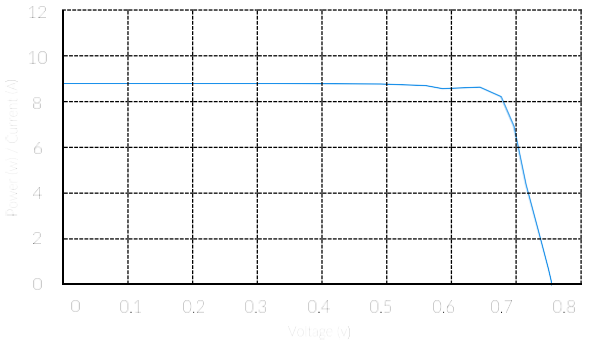


ELECTRICAL CHARACTERISTICS (STC)

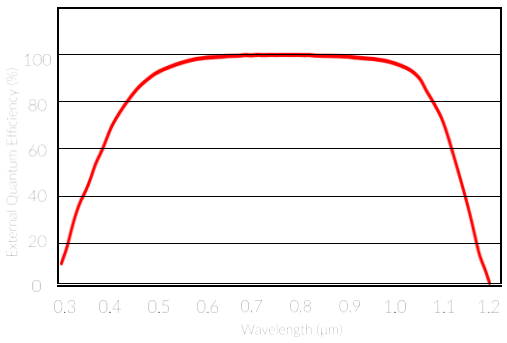
Power Class			HS-G12-245	HS-G12-246	HS-G12-247	HS-G12-248	HS-G12-249	HS-G12-250	HS-G12-251	HS-G12-252
Maximum Power	Pmpp	[W]	5.40	5.42	5.45	5.47	5.49	5.51	5.53	5.56
Short Circuit Current	Isc	[A]	8.68	8.67	8.68	8.69	8.70	8.70	8.72	8.72
Open Circuit Voltage	Voc	[V]	0.743	0.744	0.744	0.745	0.745	0.746	0.746	0.746
Efficiency	η	[%]	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2

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

TYPICAL CURRENT/POWER-VOLTAGE CURVES (25.0%)



SPECTRAL RESPONSE



PACKING SPECIFICATIONS

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

TEMPERATURE COEFFICIENTS

Power (Pmax)	-0.26%/K
Current (Isc)	+0.055%/K
Voltage (Voc)	-0.27%/K

Remind of Storage

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

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