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## DATASHEET SOLAR CELLS PERC 9BB M6 - 166x166 mm

### Normative references

Document number	Title
IEC 60904-1 Ed.2.0	Photovoltaic devices – Part 1: measurements of photovoltaic current-voltage characteristics
IEC 60904-3 Ed.2.0	Photovoltaic devices – Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data
IEC 60904-7 Ed.3.0	Photovoltaic devices – Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device
IEC 61215 Ed.2.0	Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval

### Cell structure

Tab 1 Cell Structure

Substrate material	P-type mono-crystalline silicon wafer - PERC
Cell thickness	175µm±17.5µm,
Dimension	166±0.5mm
Diagonal	223mm±0.5mm
Front(-)	Alkali textured surface, blue silicon nitride AR coating
	Silver busbars for the front electrodes
Back(+)	Aluminum oxide back-surface field
	silver soldering pads for the backside electrodes

Front silver pastes : DKEM Series, SAMSUNG Series 8800, Heraeus Series, JuHe Series, GiGaSolar Series.

Aluminum pastes : Rutech Series 28DXX, T-SUN Series, HOYI Series.

Back silver pastes : HOYI Series, Rutech Series, Gonda Series,

