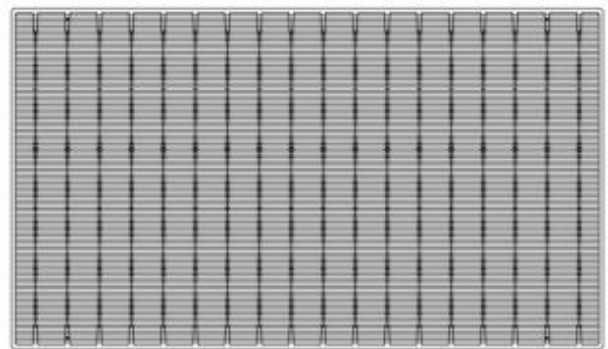
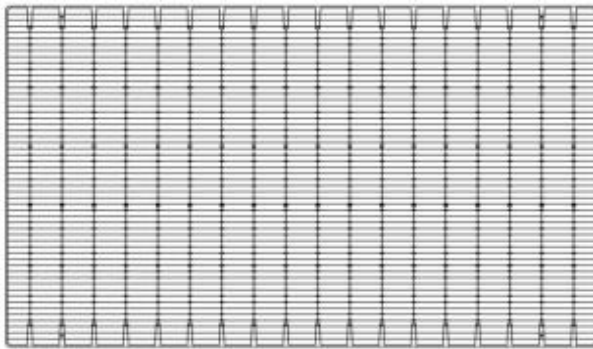


MONOCRISTALLINE G12R HJT SOLAR CELLS 182x105 mm-18BB - CONFIDENTIAL

Solar cell structure



Mechanical Characteristics

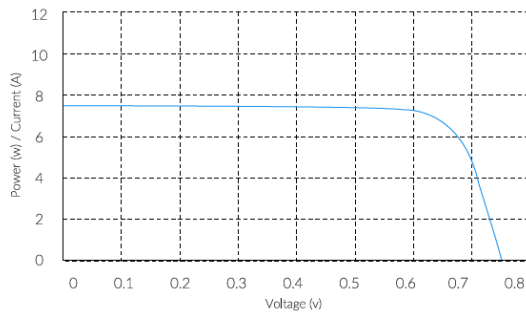
Product	HJT Monocrystalline solar cell
Format	18BB, N-type, 182mm*105mm±0.15mm
Average Thickness (Si)	110µm +20µm/-10µm
Front Surface(-)	18 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)
Back Surface(+)	18 soldering pads (silver) Dark blue anti-reflecting ITO coating (Indium tin oxide)

ELECTRICAL CHARACTERISTICS (STC)

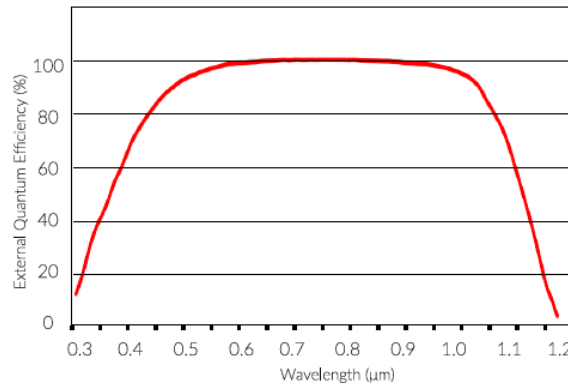
Power Class		HS-G12R-254	HS-G12R-255	HS-G12R-256	HS-G12R-257	HS-G12R-258	HS-G12R-259	HS-G12R-260	HS-G12R-261
Maximum Power	Pmpp [W]	4.85	4.87	4.89	4.91	4.93	4.95	4.97	4.99
Short Circuit Current	Isc [A]	7.6522	7.6575	7.6638	7.6717	7.6778	7.6883	7.6978	7.7020
Open Circuit Voltage	Voc [V]	0.7520	0.7522	0.7524	0.7528	0.7530	0.7533	0.7536	0.7539
Maximum operating current	impp [A]	7.2533	7.2583	7.2643	7.2718	7.2775	7.2875	7.2965	7.3004
Maximum operating voltage	vmpp [V]	0.6700	0.6715	0.6730	0.6747	0.6764	0.6775	0.6786	0.6797
Efficiency	η [%]	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1

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

TYPICAL CURRENT/POWER-VOLTAGE CURVES



SPECTRAL RESPONSE



TEMPERATURE COEFFICIENTS

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

PACKING SPECIFICATIONS

pcs/box	box/carton	pcs/carton
144	18	2592