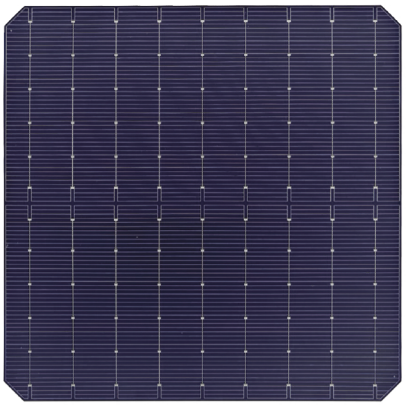
SUNQAR PV

M6 HJT SOLDERABLE PV CELL

Compatible with conventional solderable equipment
Easy to replace PERC cell in PV modules production

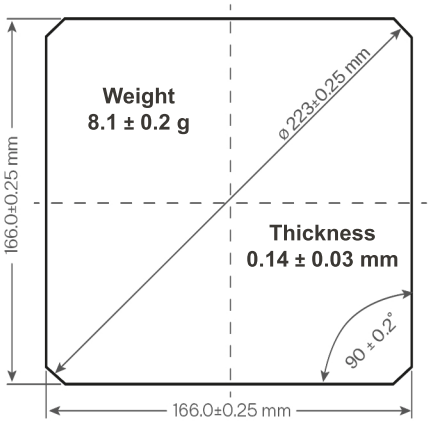
BIFACIAL N-TYPE CELL



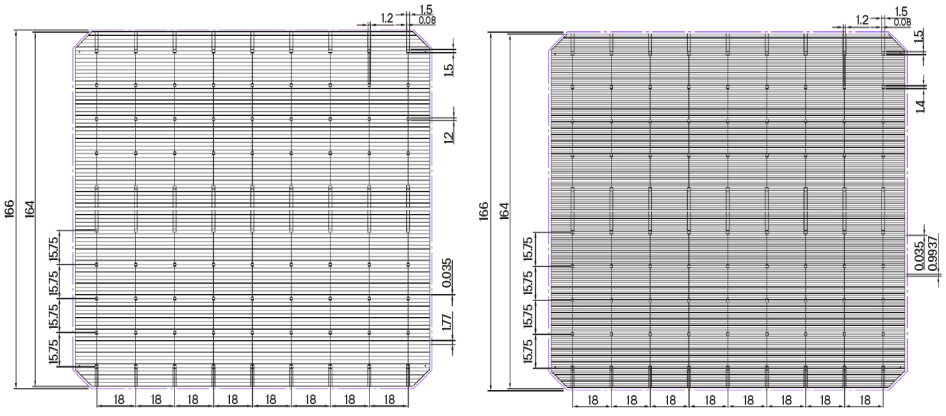
KEY BENEFITS

Efficiency	**up to 24.4%**
Peak power (STC, front side)	**6.68 W**
Bifaciality factor	**more than 90%**
Temperature coefficient	**- 0.26 %/°C**
Superior passivation due to a-Si layers	
Designed for 9BB solderind[1]	
LID free	

CELL DIMENSIONS



CONTACT GRID DESIGN: FRONT SIDE, BACK SIDE



PACKAGING INFORMATION

1 box (200 x 200 x 55 mm) = 150 pcs, weight ≈ 1.4 kg
1 cardboard box (425 x 360 x 230 mm) = 1800 pcs, weight ≈ 19.5 kg
1 pallet (1200 x 800 mm) = 54000 pcs, weight ≈ 620 kg
Euro truck = 27 pallets / 1458000 pcs
40 ft. container = 24 pallets / 1296000 pcs
20 ft. container = 11 pallets / 594000 pcs

ELECTRICAL PARAMETERS, STC[2]

	A1	A2	A3	A4	A5
Efficiency, %	24,4	24,2	24,0	23,8	23,6
Pmpp, Wp	6,68	6,62	6,58	6,53	6,48
Isc, A	10,66	10,54	10,53	10,51	10,51
Voc, V	0,741	0,741	0,740	0,739	0,738
Impp, A	10,15	10,05	10,05	10,01	10,00
Vmpp, V	0,658	0,659	0,655	0,652	0,648
Fill factor, %	84,57	84,76	84,44	84,07	83,54

SOLDERING CONDITIONS

Distance between busbars, mm	18.0
Recommended ribbon coating	Sn60Pb40 (>1N/mm)
Alternative ribbon coating	Sn60Bi38Ag2; Sn60Pb38Ag2

TEMPERATURE RATINGS

Pmpp temperature coef., %/°C -0.260
Voc temperature coef., %/°C -0.244
Isc temperature coef., %/°C 0.055

1. Current grid design shown in the image is preliminary and can be changed.

2. Measurement uncertainty ± 3%.

All the values are the production average and are given for reference purposes only.