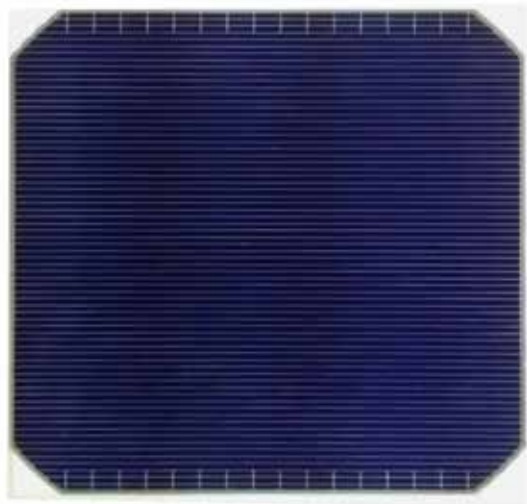


HEVEL HJT SOLAR CELL

BIFACIAL HETEROJUNCTION N-TYPE PV CELL



Efficiency up to 23,1 %



Peak power up to 5,62 W
(STC, front side)



Bifaciality factor 93%



Temperature coefficient
-0,31 %/°C



Superior passivation due to
a-Si layers



Busbarless design⁽¹⁾



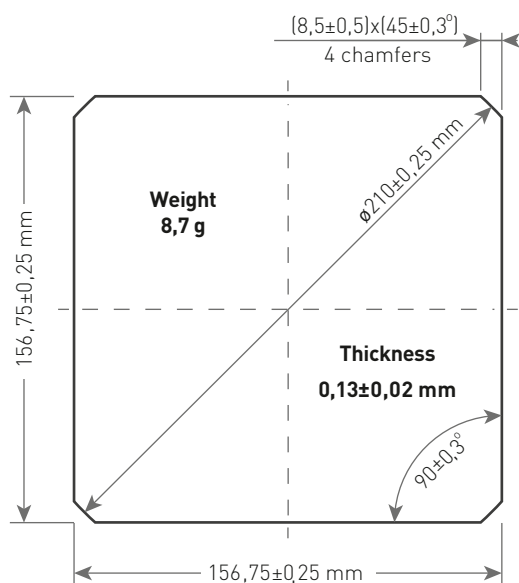
LID free

1. Smartwire technology is recommended for cells interconnection. Busbars attached using ECA are also applicable.

Electrical parameters, STC⁽²⁾

Cell Bin	A1	A2	A3	A4	A5	A6
Efficiency, %	23,1	22,9	22,7	22,5	22,3	22,1
P _{mpp} , Wp	5,62	5,58	5,53	5,49	5,45	5,40
I _{sc} , A	9,25	9,25	9,22	9,21	9,19	9,19
V _{oc} , V	0,741	0,737	0,736	0,734	0,733	0,730
I _{mpp} , A	8,72	8,72	8,67	8,66	8,63	8,62
V _{mpp} , V	0,645	0,639	0,638	0,634	0,631	0,627
Fill factor, %	82,1	81,8	81,5	81,2	80,8	80,5

2. Measured with GRID^{TOUCH} contacting system. Measurement uncertainty ± 3%.
The values are the production average and are given for reference purposes only.



Weight
8,7 g

Thickness
0,13±0,02 mm

Temperature ratings

P _{mpp} temperature coef., %/°C	-0,311
V _{oc} temperature coef., %/°C	-0,249
I _{sc} temperature coef., %/°C	0,037

HEVEL GROUP

65 bld.1 Profsoyuznaya Str.,
Moscow, 117342, Russia
+7 495 933-06-03
overseas@hevelsolar.com
www.hevelsolar.com

Hevel Group is the largest vertically integrated solar energy company in Russia:

- MANUFACTURING of HJT PV cells and modules ⁽³⁾
- ENGINEERING, CONSTRUCTION AND OPERATION of solar power plants
- RESEARCH AND DEVELOPMENT in photovoltaics

3. Manufacturing system as per ISO 9001:2015 and ISO 14001:2015