

Datasheet

HETEROJUNCTION HYBRID SOLAR TECHNOLOGY (HST) Solar Cell



Front side STC* electrical characteristics

Class	Power ** (W)	Efficiency (%)
A	5.86 ≤	24,00 ≤
B	5.74 – 5.85	23,50 – 23.99
C	5.61 – 5.73	23.00 – 23.49
D	5.49 – 5.60	22.50 – 22.99

Bifaciality index over 93 %

* Standard Test Conditions (1000W/m²; AM 1,5 - 25°C)

** High reliability with guaranteed only positive power tolerance

Product properties

Product properties	ES-HST-DWAP28
Dimension	156.75 x 156.75 mm (± 0.25 mm); pseudo square
Diagonal	210 mm (± 0.5 mm)
Thicjness (w/o print)	160 μm (± 20 μm)
Wafer type	n-doped, mono, Cz
Fron side contacts (+)	No Busbar, textured, TCO-antireflective coating
Back side contacts (-)	No Busbar, textured, TCO-antireflective coating

Temperature coefficients

Current (α): + 0,038 %/K

Voltage (β): - 0,2586 %/K

Power (γ): - 0,2795 %/K

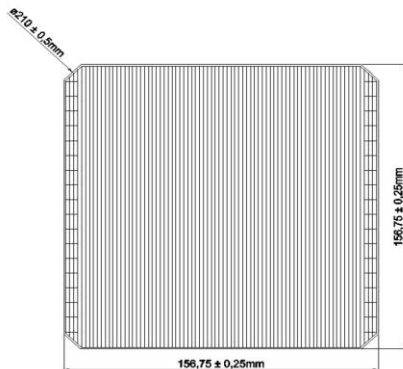
Storage conditions

Dust protected and dry storage at room

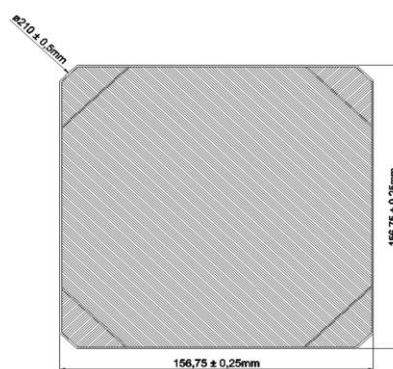
temperature (25°C ± 5 °C)

Max. relative humidity < 50 %

Layout front



Layout back



Processing recommendation

Avoid direct sunlight!

Avoid more than 200 °C process temperature!

Seal by laminating within 24 hours after opening!

Shelf life: 150 days from manufacturing date.

EcoSolifer Heterojunction Ltd.
H-1124 Budapest, Csörsz u. 49-51.
www.ecosolifer.com