



DATA SHEET

# abora aH72SK



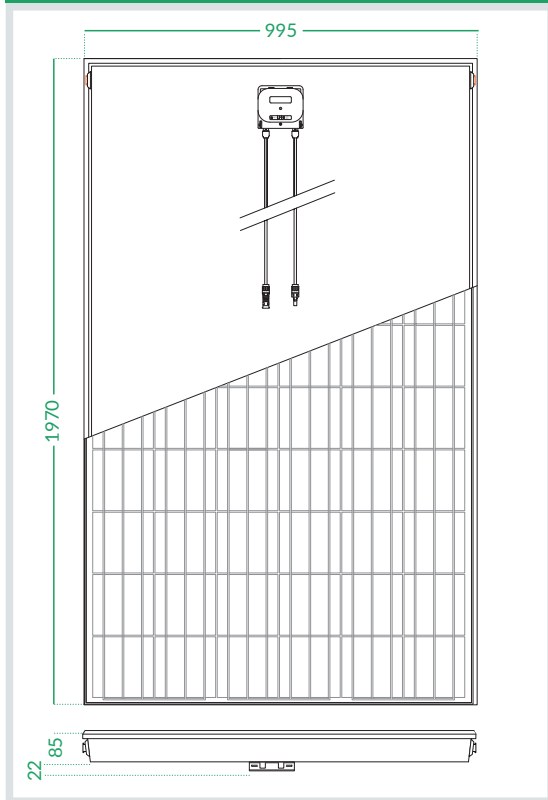


Hybrid solar panel with simultaneous thermal and photovoltaic production.



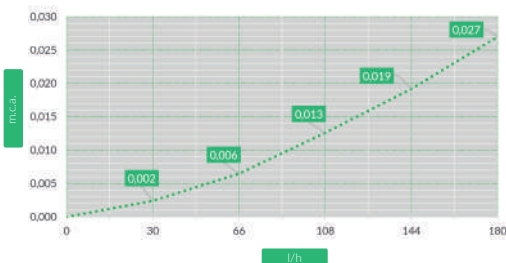
\* All percentages of production are conditioned to the working temperature range of installation.

### Dimensions



### Loss of charge

Pressure drop:  $T^{\circ} \text{ max: } 20,13 \text{ }^{\circ}\text{C} / T^{\circ} \text{ min: } 19,39 \text{ }^{\circ}\text{C}$



### General specifications

Length x width x thickness	1.970 x 995 x (85+22) mm
Total area	1,96m <sup>2</sup>
Opening area	1,88 m <sup>2</sup>
Number of cells	72
Weight	50 kg.
Front glass	3,2 mm. tempered
Framework	Aluminum
Connection box protection	IP65
Number of diodes	3 diodes
Dimensions of the cell	156 x 156
Connection type PV / length cables	Solarlok PV4 / 1m

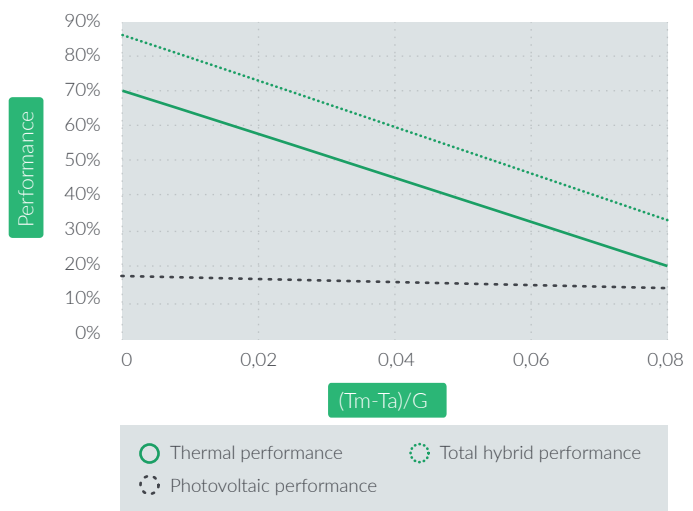
### Electric specifications

Standard test conditions STC: AM 1.5. irradiation 1000 W / m<sup>2</sup>  
Cell temperature 25 °C

Cell type	Mono-crystalline
Rated power (W)	350 W
Maximum power voltage (Vmpp)	39,86 V
Maximum power current (Impp)	8,86 A
Open circuit voltage (Voc)	48,61 V
Short circuit current (Isc)	9,16 A
Module efficiency (%)	17,8
Power tolerance (W)	+/-4%
Maximum system voltage	DC 1000 V (IEC)
Backsheet	Black
Temperature coefficient of Pmpp	-0,36%/°C
Temperature coefficient of Voc	-0,28%/°C
Temperature coefficient of Isc	+0,06%/°C
Maximum reverse current	15A
NOCT Temperature*	45+/-2 °C

### Thermal specifications

Optical performance	0,7
Coefficient of thermal losses, a1	5,98 W/m <sup>2</sup> .K
Coefficient of thermal losses, a2	0,00 W/m <sup>2</sup> .K <sup>2</sup>
Internal liquid capacitance	1,78 L
Stagnation temperature	126°C
Number of hydraulic connections	4 connections
Measure Hydraulic connection	Quick connect
Maximum permissible pressure	10 bar
Nominal flow	60 L/h



### Conforming with Product Standards:

DIN EN 12975-1:2011-01; DIN EN ISO 9806:2018-04  
SolarKeymark Schema Rules (2021-07)  
DIN EN IEC 61730-1,-2:2018-10; EN IEC  
61730-1,-2:2018+AC:2018; IEC 61730-1,-2:2016  
IEC 61215-1,-2: 2016

Subject to technical modifications without notice.  
Guarantee of 10 years.

MORE INFO AT

[www.abora-solar.com](http://www.abora-solar.com)

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