



DATA SHEET

# abora aH60 SK

TECH

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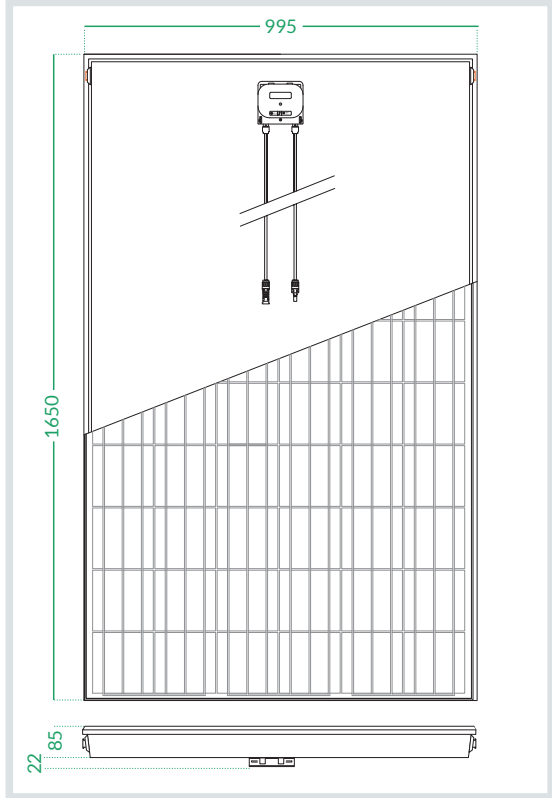


Hybrid solar panel with simultaneous thermal and photovoltaic production.

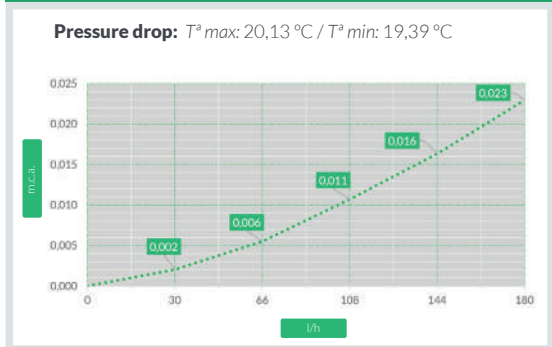


\* All percentages of production are conditioned to the working temperature range of installation.

### ⊕ Dimensions



### ⊕ Loss of charge



### ⊕ General specifications

Length x width x thickness	1650 x 995 x (85+22) mm
Total area	1.65m <sup>2</sup>
Opening area	1.57 m <sup>2</sup>
Number of cells	60
Weight	43 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)	290 W
Maximum power voltage (Vmpp)	32.43 V
Maximum power current (Impp)	8.62 A
Open circuit voltage (Voc)	39.49 V
Short circuit current (Isc)	9.03 A
Module efficiency (%)	17.66
Power tolerance (W)	0/+3%
Maximum system voltage	DC 1000 V (IEC)
Backsheet	Black
Temperature coefficient of Pmpp	-0.38%/°C
Temperature coefficient of Voc	-0.30%/°C
Temperature coefficient of Isc	+0.09%/°C
Maximum reverse current	15A
NOCT Temperature*	47+/-2 °C

### ⊕ Thermal specifications

Optical performance	0.67
Coefficient of thermal losses, a1	5.7 W/m <sup>2</sup> .K
Coefficient of thermal losses, a2	0.004 W/m <sup>2</sup> .K <sup>2</sup>
Internal liquid capacitance	1.2 L
Stagnation temperature	129,9 °C
Number of hydraulic connections	4 connections
Measure Hydraulic connection	quick connect
Maximum permissible pressure	10 bar
Nominal flow	50 L/h

