



THE SENSORS

MECHANICAL SPECIFICATIONS	
Dimensions (H x L x D)	1,518 x 1,011 x 43 mm
Sensor weight	17.5 kg (16 kg/m ²)
Solar cells	Si 6.2" single crystal cells (156 x 156 mm)
Number of cells	54
Origin of the panels (encapsulation)	France (Saint-Herblain - 44)
Glass	3.2 mm anti-reflective
Rear side	Black composite film
Frame	Anodised black aluminium
Maximum load	Tested up to 5400 Pa according to IEC 61215
Resistance to hail	Up to a diameter of 25 mm with an impact speed of 23 m/s

AEROVOLTAIC SPECIFICATIONS	
P_{MAX} (W)	900 W
Inc. thermal:	650 W
Inc. electrical:	250 WC
Power tolerance	-2/+2 %
Efficiency	16.9 %
Max system voltage V _{max} (U)	1000 V
Max system current I _{max} (A)	17 A
V _{mpp} (V)	28.84
I _{mpp} (A)	8.502
V _{oc} (V)	34.40
I _{sc} (A)	8.811
Reverse current protection I _{rm} (A)	15
Normal operating temperature (NOCT)	47 °C
Operating temperature (OC)	-40 °C to 85 °C
Temperature coefficient (V _{oc})	-0.346 %/K
Temperature coefficient (I _{sc})	0.036 %/K
Temperature coefficient (P _{max})	-0.47 %/K

AEROTHERMAL SPECIFICATIONS	
P_{MAX} (W)	750 W
Selective solar absorber	Selective aluminium (98% energy absorption, 5% emission)

POWER (W) PER PANEL - RADIATION: 1,000 W/m ²				
Approved values SOLAR KEYMARK according to EN ISO 9806:2013 Licence 078/000227		Air flow / vent stack (m ³ /h)		
		75 m ³ /h	100 m ³ /h	150 m ³ /h
Wind speed < 1 m/s	AEROVOLTAIC	474 W	539 W	611 W
	AEROTHERMAL	652 W	739 W	818 W

