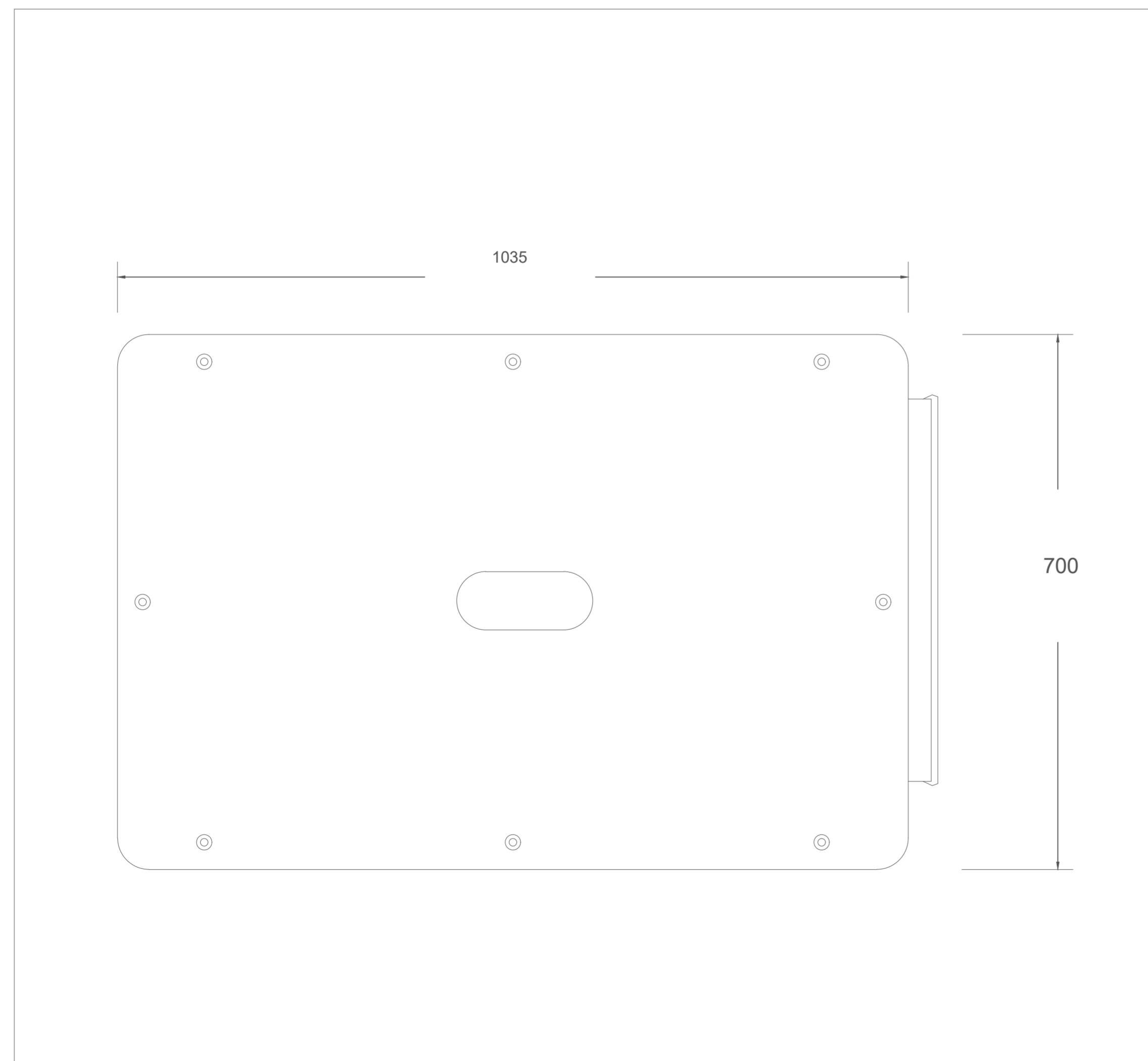
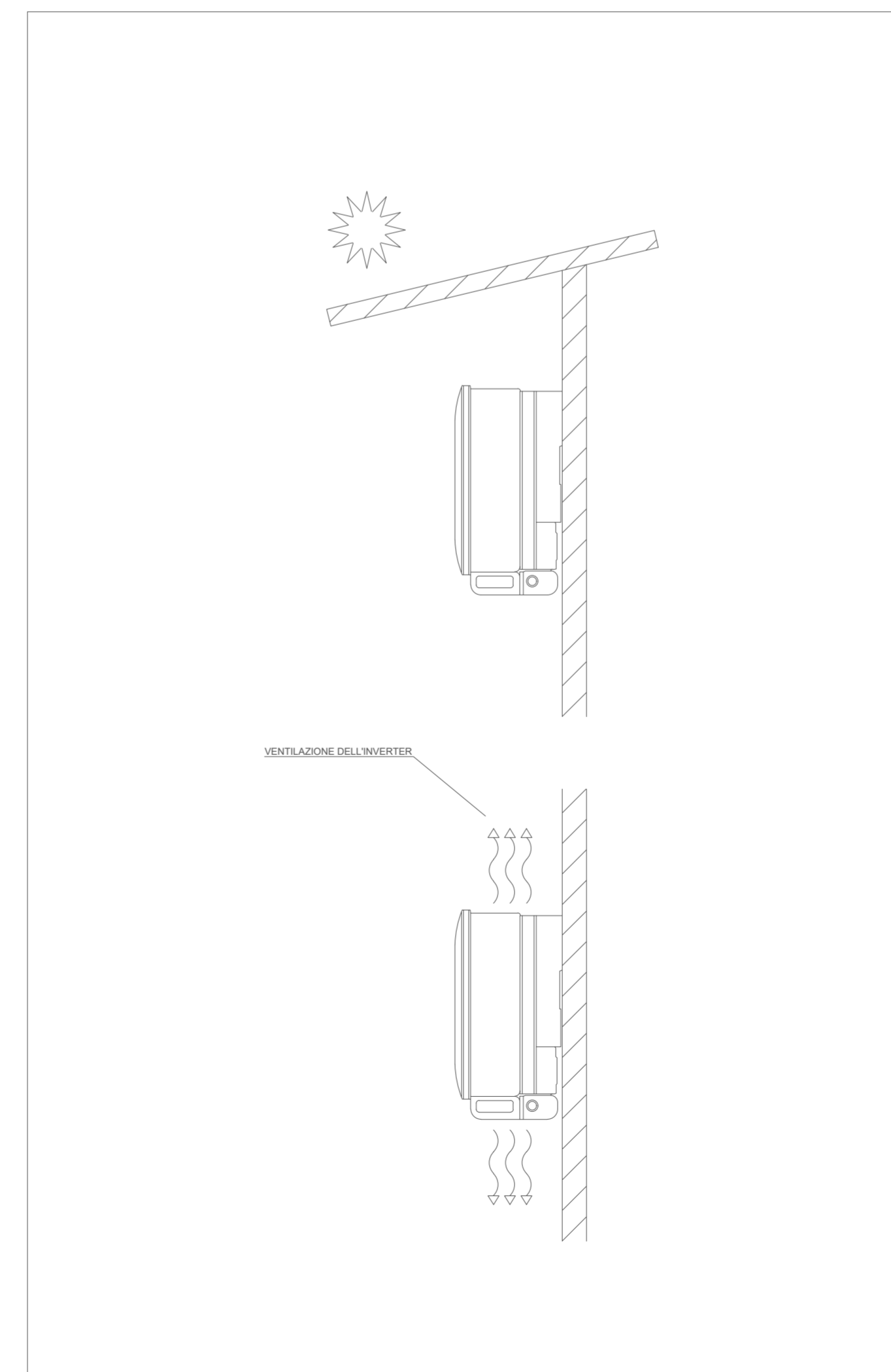


STUDIO ALCHEMIST Ing. Stefano Floris - Arch. Cinzia Nieddu			
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COMUNE DI GONNOSFANADIGA			
OGGETTO REALIZZAZIONE DI IMPIANTO FOTOVOLTAICO A TERRA 34,49 MW - TIPO A INSEGUIMENTO MONOASSIALE "GONNOS-MAR"			
COMMITTENTE ENERGYGONNOSMAR1 SRL Via Isola San Pietro 3 - 09126 Cagliari (CA)			
PROGETTO DEFINITIVO			
ELABORATO DETTAGLI COSTRUTTIVI - INVERTER		NUMERO ELABORATO AV 11 SCALA: VARIE DATA: MAGGIO 2022	
3	Terza emissione		
2	Seconda emissione		
1	Prima emissione	Arch. Chiara Maris	Arch. Valentina Madeddu Ing. S. Floris
REV.	DATA	DESCRIZIONE	REDDATTO
			DEF IMPIANTI 00
CODICE COMMESSA	NOME FILE	FASE PROGETTUALE	CATEGORIA
			REV.
STUDIO ALCHEMIST: Ing. Stefano Floris Arch. Cinzia Nieddu		PROGETTISTA - TIMBRO E FIRMA  ORDINE INGEGNERI PROVINCIA DI CAGLIARI N. 5777 Ing. STEFANO FLORIS	
COLLABORATORI: Arch. Chiara Maris Arch. Valentina Madeddu Arch. Elena Porcu Arch. Luigi Merinu Geol. Mario Strina Geom. Alberto Barrocco		PROGETTISTA - TIMBRO E FIRMA 	



INVERTER HUAWAI SUN 2000 185KML - DIMENSIONI scala:1:5



POSIZIONAMENTO INVERTER

SUN2000-185KTL-H1
Technical Specifications

Efficiency	
Max. Efficiency	99.03%
European Efficiency	98.69%
Input	
Max. Input Voltage	1,500 V
Max. Current per MPPT	26 A
Max. Short Circuit Current per MPPT	40 A
Start Voltage	550 V
MPPT Operating Voltage Range	500 V - 1,500 V
Nominal Input Voltage	1,080 V
Number of Inputs	18
Number of MPP Trackers	9
Output	
Nominal AC Active Power	175,000 W @40°C, 168,000 W @45°C, 150,000 W @50°C
Max. AC Apparent Power	185,000 VA
Max. AC Active Power (cosφ=1)	185,000 W
Nominal Output Voltage	500 V, 3W + PE
Rated AC Grid Frequency	50 Hz / 60 Hz
Nominal Output Current	126.3 A @40°C, 121.3 A @45°C, 108.3 A @50°C
Max. Output Current	134.9 A
Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion	< 3%
Protection	
Input-side Disconnection Device	Yes
Anti-islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
PV-array String Fault Monitoring	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring Unit	Yes
Communication	
Display	LED Indicators, Bluetooth/WLAN + APP
USB	Yes
MBUS	Yes
RS485	Yes
General	
Dimensions (W x H x D)	1,035 x 700 x 385 mm (40.7 x 27.6 x 14.4 inch)
Weight (with mounting plate)	84 kg (185.2 lb.)
Operating Temperature Range	-25°C - 60°C (-13°F - 140°F)
Cooling Method	Smart Air Cooling
Max. Operating Altitude without Derating	4,000 m (13,123 ft.)
Relative Humidity	0 - 100%
DC Connector	Stäubli MCA EV02
AC Connector	Waterproof Connector + OT/DT Terminal
Protection Degree	IP66
Topology	Transformerless
Standard Compliance (more available upon request)	
Certificate	EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683
Grid Code	IEC 61727, P.O. 12.3, RD 1699, RD 861, RD 413, RD 1565, RD 1663, UNE 206607-1, UNE 206006

SCHEDA TECNICA INVERTER HUAWAI SUN 2000 185KML