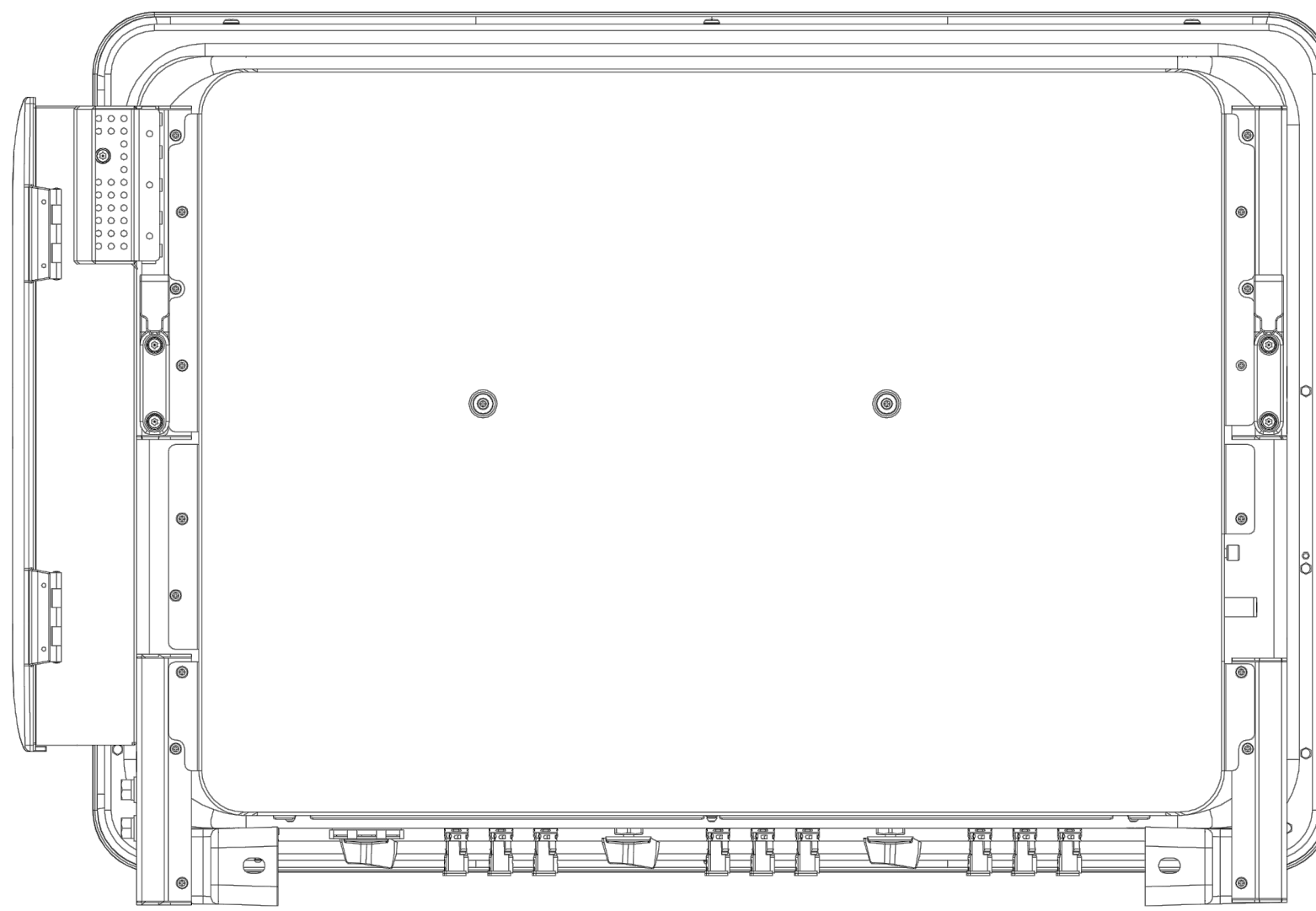


SUN2000-215KTL-H0
Technical Specifications

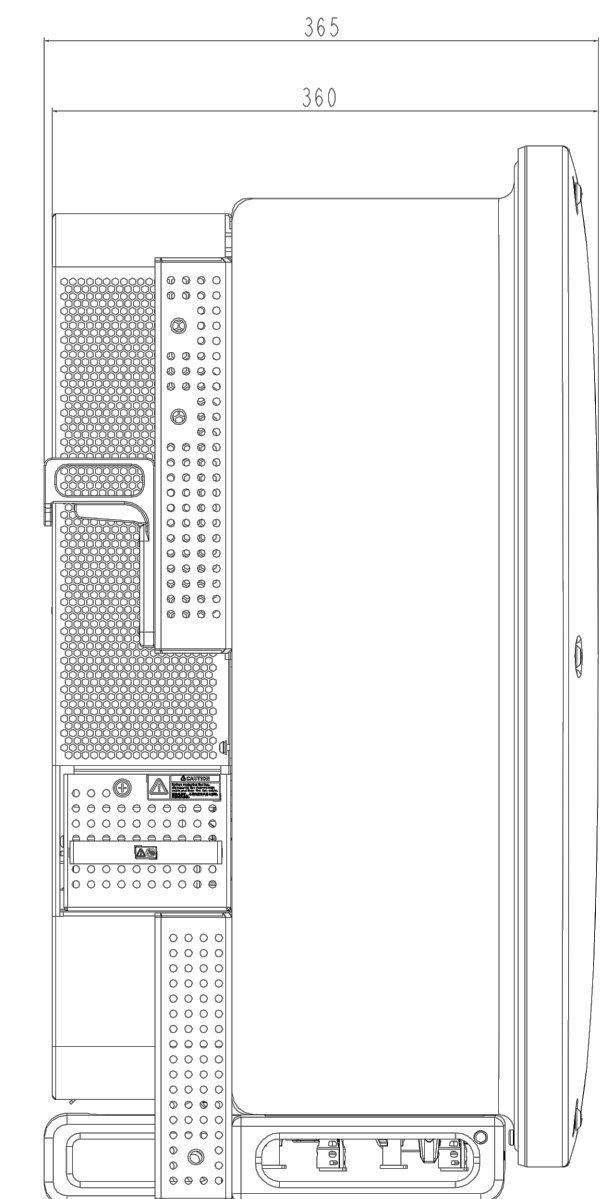
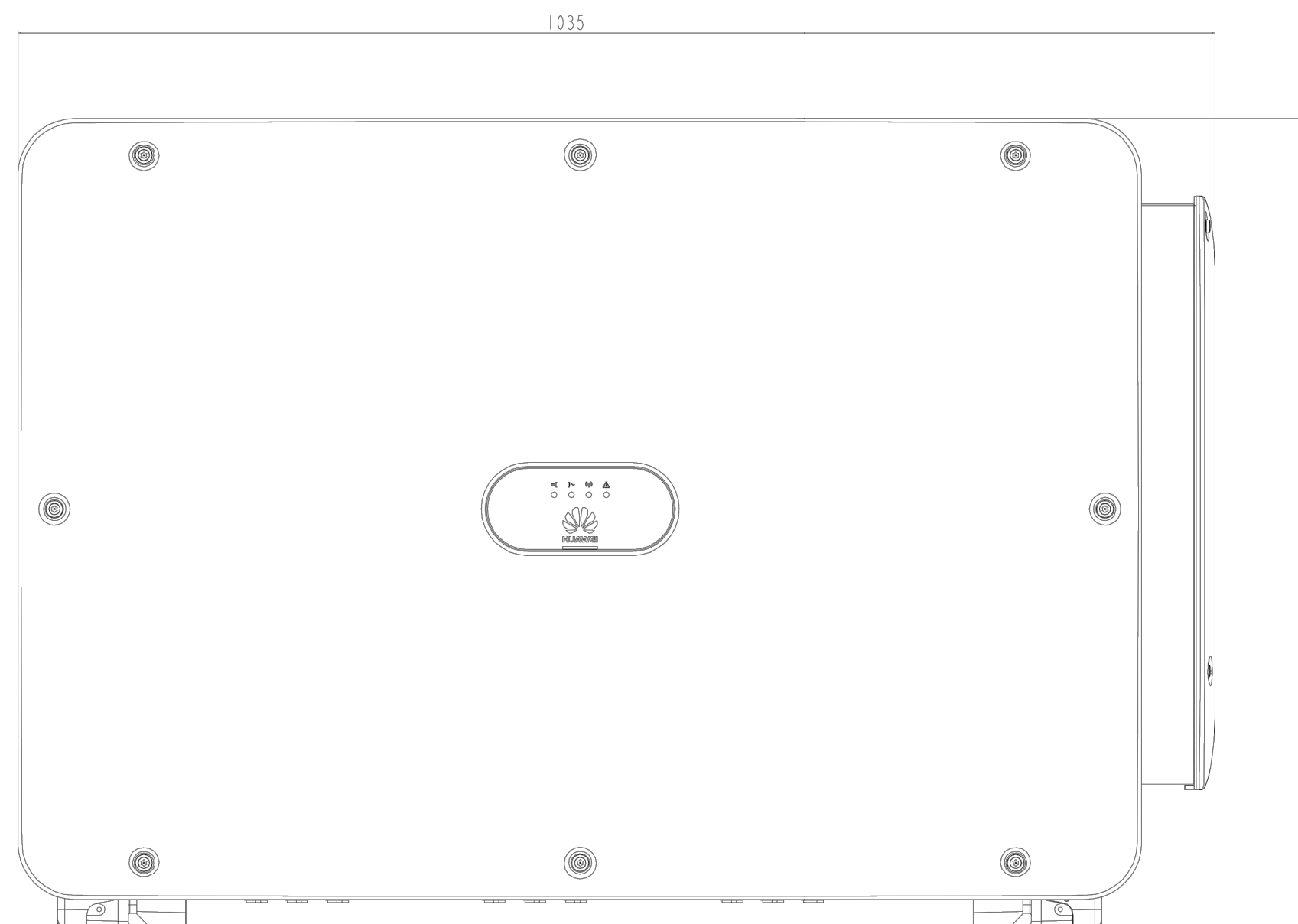
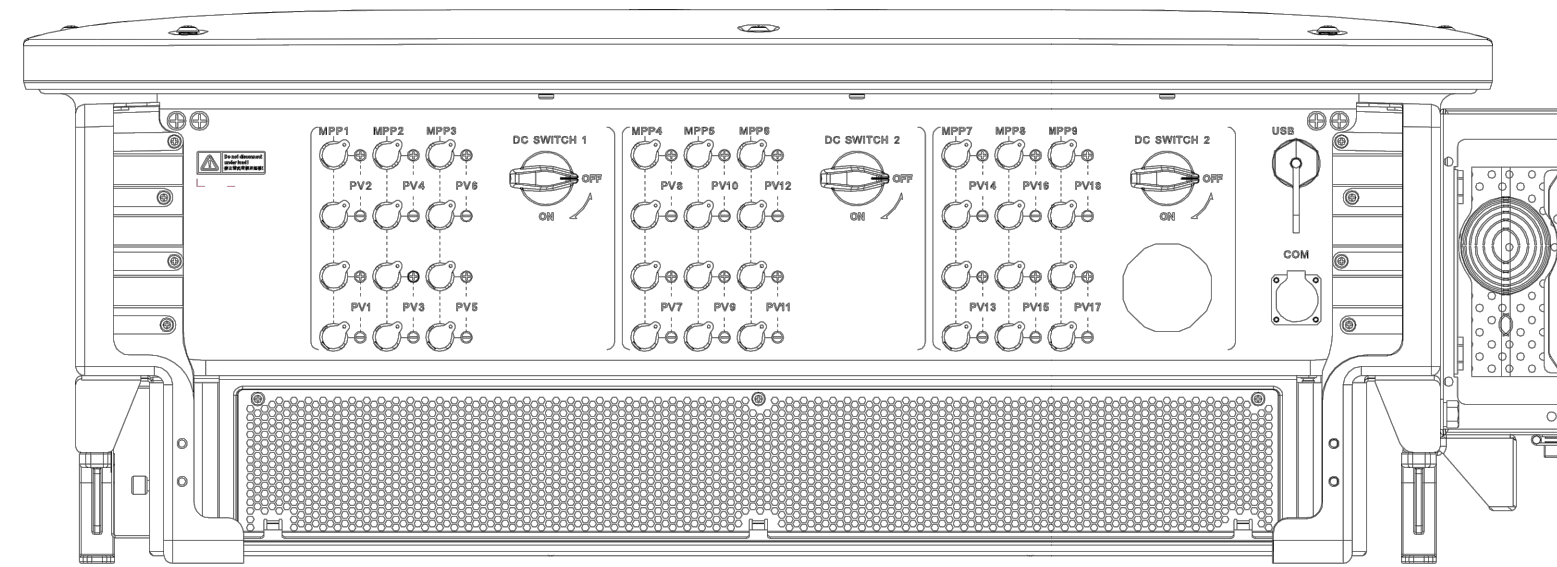
Efficiency		
Max. Efficiency		99.00%
European Efficiency		98.60%
Input		
Max. Input Voltage		1,500 V
Max. Current per MPPT		30 A
Max. Short Circuit Current per MPPT		50 A
Start Voltage		550 V
MPPT Operating Voltage Range		500 V ~ 1,500 V
Nominal Input Voltage		1,080 V
Number of Inputs		18
Number of MPP Trackers		9
Output		
Nominal AC Active Power		200,000 W
Max. AC Apparent Power		215,000 VA
Max. AC Active Power (cosφ=1)		215,000 W
Nominal Output Voltage		800 V, 3W + PE
Rated AC Grid Frequency		50 Hz / 60 Hz
Nominal Output Current		144.4 A
Max. Output Current		155.2 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, WLAN + APP
USB		Yes
MBUS		Yes
RS485		Yes
General		
Dimensions (W x H x D)		1,035 x 700 x 365 mm (40.7 x 27.6 x 14.4 inch)
Weight (with mounting plate)		≤86 kg (189.6 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		Staubli MC4 EVO2
AC Connector		Waterproof Connector + OT/DT Terminal
Protection Degree		IP66
Topology		Transformerless

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SCHEDA TECNICA INVERTER HUAWEI SUN 2000 215KTL

STUDIO ALCHEMIST Ing. Stefano Floris - Arch. Cinzia Nieddu					
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COMUNE DI VALLERMOSA					
OGGETTO REALIZZAZIONE DI IMPIANTO FOTOVOLTAICO A TERRA 12,84 MW - TIPO A INSEGUIMENTO MONOASSIALE "VALLERMOSA 2"					
COMMITTENTE ENERGYVALLERMOSA2 S.R.L. Via Semplicio Spano 10 - 07026 Olbia (SS)					
PROGETTO DEFINITIVO					
ELABORATO DETTAGLI COSTRUTTIVI - INVERTER		NUMERO ELABORATO AU 11 SCALA: VARIE DATA: LUGLIO 2023			
3	Terza emissione				
2	Seconda emissione				
1	Prima emissione	Arch. Marco Cocco Norfo Arch. Chiara Martis Ing. Stefano Floris			
REV.	DATA	DESCRIZIONE	REDATTO	CONTROLLATO	APPROVATO
			DEF	IMPIANTI	00
CODICE COMMESSA	NOME FILE	FASE PROGETTUALE	CATEGORIA	REV.	
STUDIO ALCHEMIST: Ing. Stefano Floris Arch. Cinzia Nieddu		PROGETTISTA - TIMBRO E FIRMA 		PROGETTISTA - TIMBRO E FIRMA 	
COLLABORATORI: Arch. Chiara Martis Arch. Valentina Madeddu Arch. Michela Mellis Arch. Martina Sias Arch. Luigi Mereu Arch. Federico Serventi Arch. Marco Cocco Norfo Geol. Mario Strinna					



INVERTER HUAWEI SUN 2000 215KTL - DIMENSIONI scala1:5