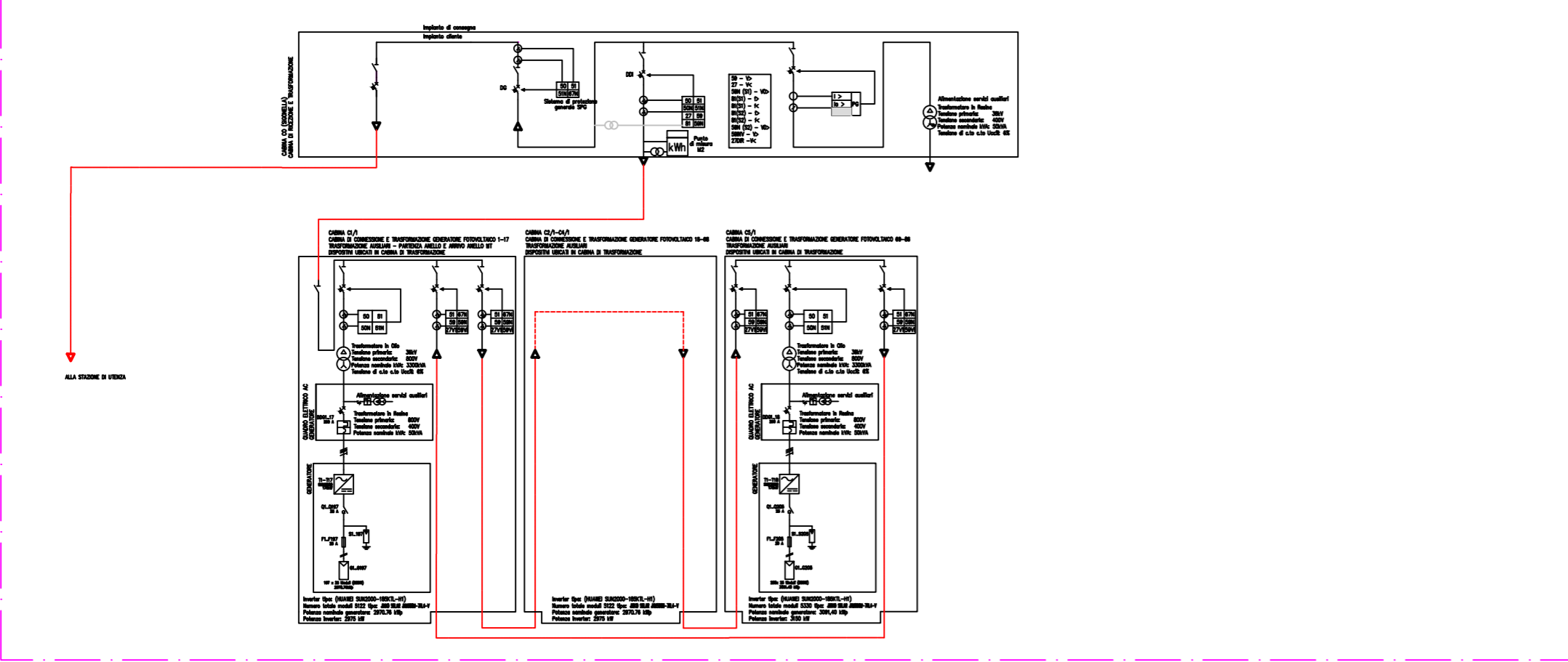


SIGONELLA 1



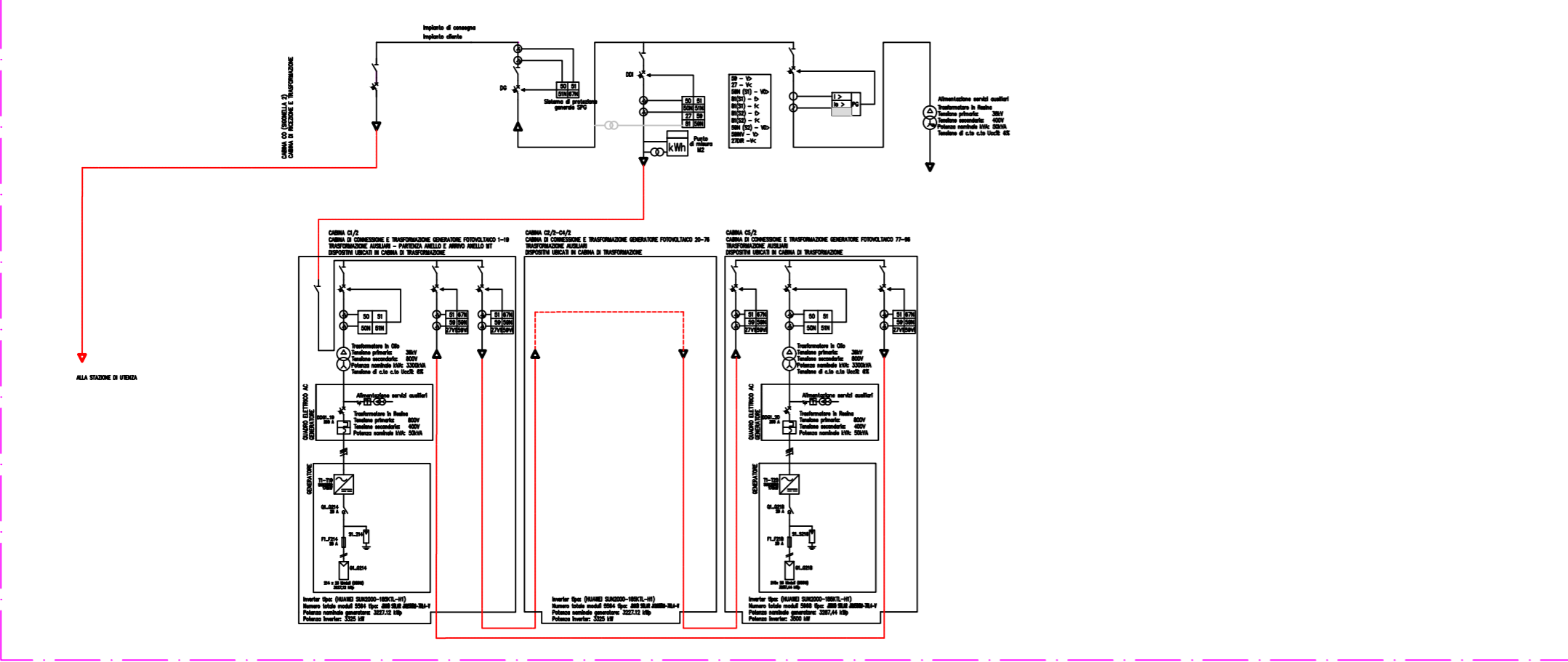
**CONFIGURAZIONE CAMPO FOTOVOLTAICO**

<b>SIGONELLA</b>	
Potenza NOMINALE DC CAMPO TRACKER	72.384,00 kW
Totale stringhe 26 moduli	4800
N. moduli	124.800
Potenza moduli fotovoltaici	72.384,00
Potenza inverter	71.400,00
Potenza in immissione	69.995,52

**CONFIGURAZIONE CAMPO FOTOVOLTAICO SIGONELLA 5**

<b>SIGONELLA 5</b>	
Potenza NOMINALE DC CAMPO TRACKER	18.548,40 kW
Totale stringhe 26 moduli	1.230
N. moduli	31.980
Potenza moduli fotovoltaici	18.548,40
Potenza inverter	18.200,00
Potenza in immissione	18.035,84

SIGONELLA 2



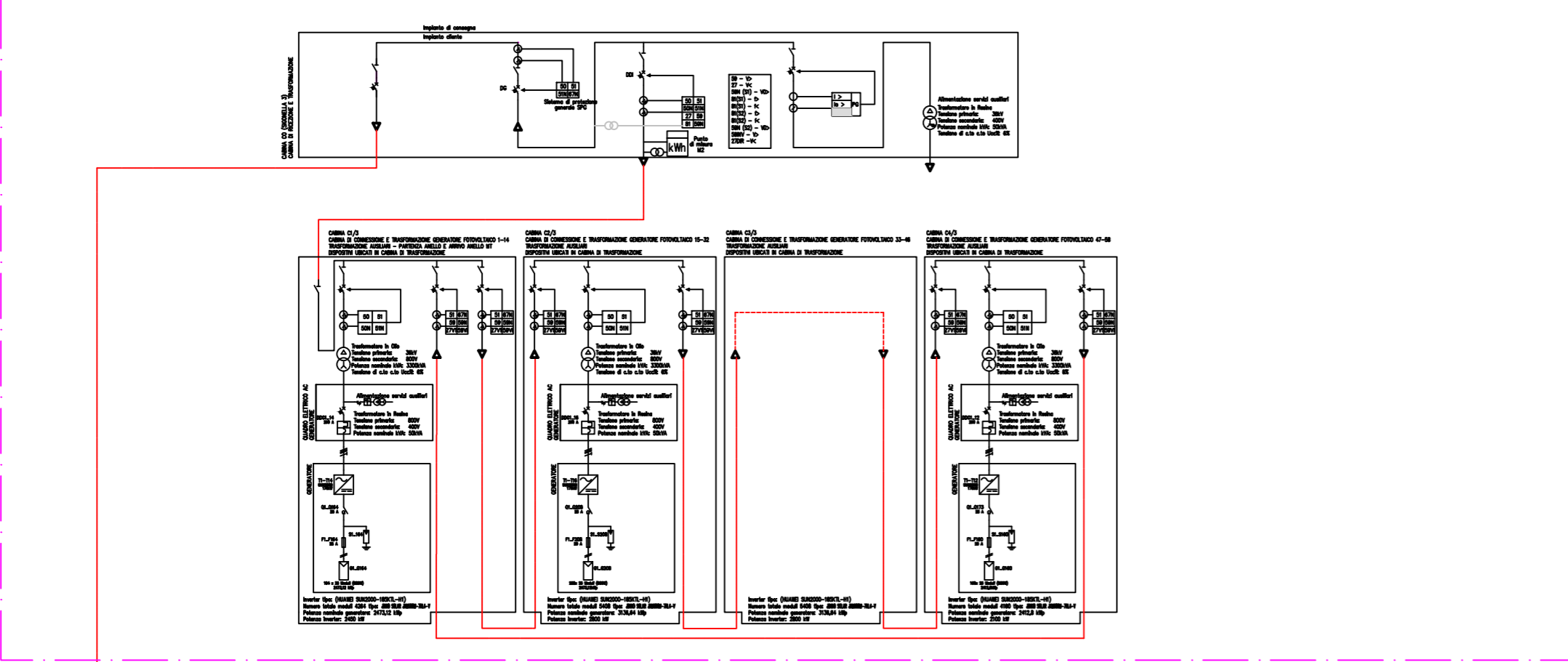
**CONFIGURAZIONE CAMPO FOTOVOLTAICO SIGONELLA 2**

<b>SIGONELLA 2</b>	
Potenza NOMINALE DC CAMPO TRACKER	16.195,92 kW
Totale stringhe 26 moduli	1.074
N. moduli	27.924
Potenza moduli fotovoltaici	16.195,92
Potenza inverter	16.000,00
Potenza in immissione	16.088,64

**CONFIGURAZIONE CAMPO FOTOVOLTAICO SIGONELLA 3**

<b>SIGONELLA 3</b>	
Potenza NOMINALE DC CAMPO TRACKER	11.310,00 kW
Totale stringhe 26 moduli	750
N. moduli	19.500
Potenza moduli fotovoltaici	11.310,00
Potenza inverter	10.150,00
Potenza in immissione	10.113,52

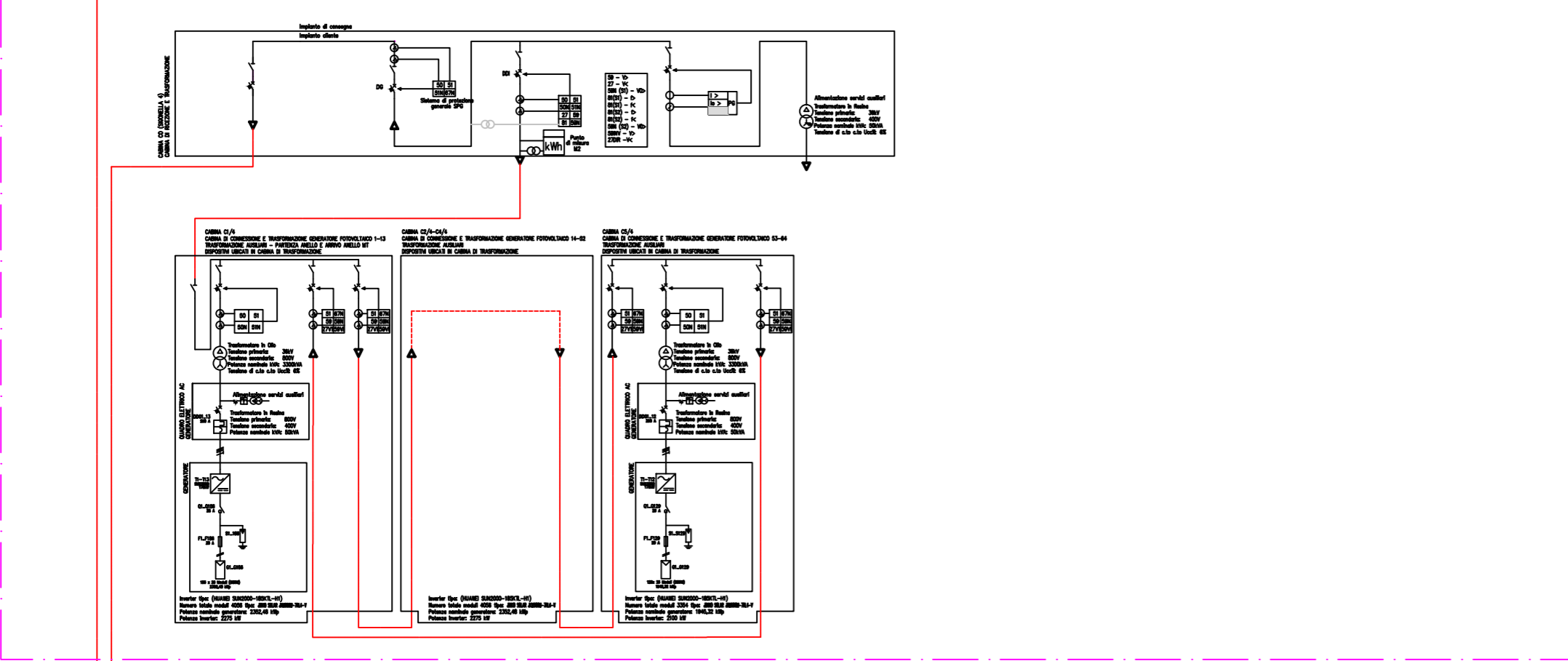
SIGONELLA 3



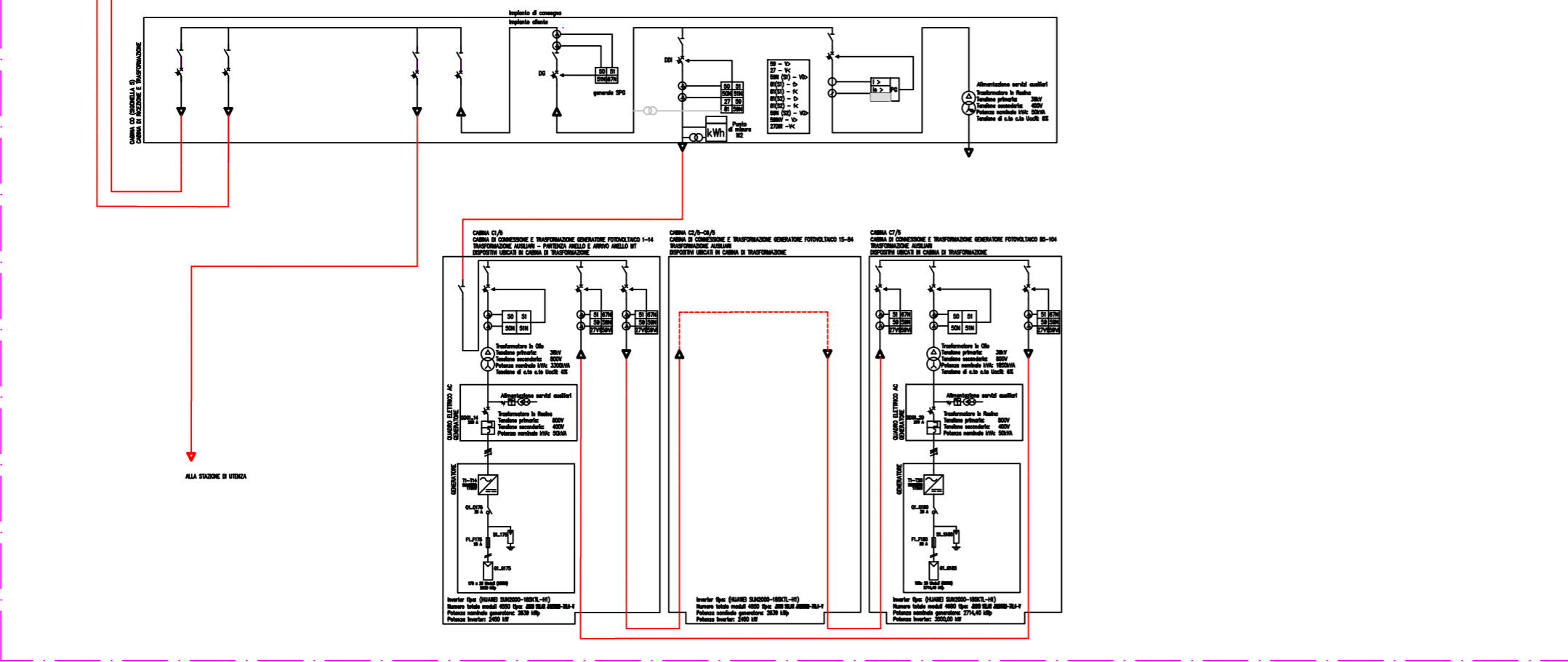
**CONFIGURAZIONE CAMPO FOTOVOLTAICO SIGONELLA 4**

<b>SIGONELLA 4</b>	
Potenza NOMINALE DC CAMPO TRACKER	11.355,24 kW
Totale stringhe 26 moduli	753
N. moduli	19.578
Potenza moduli fotovoltaici	11.355,24
Potenza inverter	11.200,00
Potenza in immissione	11.063,20

SIGONELLA 4



SIGONELLA 5



SCHEDA TECNICA INVERTER HUAWEI SUN-185KTL-H1

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	520 V
MPPT Operating Voltage Range	500 V - 1,500 V
Nominal Input Voltage	1,080 V
Number of Inputs	18
Number of MPPT Trackers	9
Output	
Nominal AC Active Power	175,000 W @40°C
Max. AC Apparent Power	180,000 VA
Nominal Output Voltage	805 V, 3W + PE
Rated AC Grid Frequency	50 Hz / 60 Hz
Nominal Output Current	126.3 A @40°C
Max. Output Current	134.5 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
PI-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
RS485	Yes
RS485	Yes
General	
Dimensions (W x H x D)	1,835 x 700 x 365 mm (40.7 x 27.6 x 14.4 inch)
Weight (with mounting plate)	84 kg (185.2 lb)
Operating Temperature Range	-25°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 EVO2
AC Connector	Waterproof Connector + OT/DT Terminal
Protection Degree	IP66
Topology	Transformerless
Standard Compliance (more available upon request)	
Certificates	EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683, IEC 61727, IEC 62076, IEC 62123, IEC 16989, IEC 60161, IEC 413, IEC 15650, IEC 16663, AIBNT NBR 16149, AIBNT NBR 16150, AIBNT NBR IEC 62116

SCHEDA TECNICA MODULI FOTOVOLTAICI JINKO SOLAR JK5M50M-7RL4-V

**SPECIFICATIONS**

Module Type	JK5M50M-7RL4-V	JK5M50M-7RL4-V	JK5M50M-7RL4-V	JK5M50M-7RL4-V	JK5M50M-7RL4-V
Maximum Power (Pmax)	500Wp	417Wp	360Wp	320Wp	297Wp
Maximum Power Voltage (Vmp)	44.31V	40.63V	34.47V	30.72V	28.67V
Maximum Power Current (Imp)	12.64A	10.25A	12.72A	10.32A	12.80A
Open-circuit Voltage (Voc)	50.00V	46.00V	40.00V	36.00V	33.00V
Short-circuit Current (Isc)	13.00A	10.50A	11.00A	10.00A	11.00A
Module Efficiency (STC, %)	20.4%	20.0%	20.0%	20.0%	21.2%
Operating Temperature (°C)	-40°C ~ +45°C				
Maximum system voltage (Voc)	1000VDC (IEC)				
Maximum series fuse rating	20A				
Power tolerance	±0.5%				
Temperature coefficient of Pmax	-0.35%/°C				
Temperature coefficient of Voc	-0.25%/°C				
Temperature coefficient of Isc	0.06%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				

REGIONE SICILIA  
COMUNI DI BELPASSO E RAMACCA (CT)

Livello di progettazione: **Progetto Definitivo**

Oggetto/Objet: **PROGETTO SIGONELLA**  
Realizzazione impianto fotovoltaico in area agricola di potenza pari a circa 71,48 MWp nei Comuni di Belpasso e Ramacca (CT)

Elaborato/Drawing: **Schema Elettrico**

Formato/Size: **A1**

Scale/Scala: **Varie**

Code/Codice: **MITEPUATAV024A0**

Date/Date: **21/06/2022**

File Name: **MITEPUATAV024A0.pdf**

Revision (0): **21/06/2022** | Description: **Prima emissione**

Commissa/Project order: **Progettazione Impianto Fotovoltaico**

Redatto: **Ing. Vincenzo Cruciani** | Approvato: **Ing. Angelo Luzzo**

Committente/Customer: **CARRATOIS S.R.L.**  
Viale Santa Pansaga 141D - 96100 - Siracusa (SR)  
P.IVA: 02450570890

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Project Manager: **Ing. Raimondo Barone**