

**REGIONE MOLISE**  
**COMUNE DI SANTACROCE**  
 Provincia di Campobasso



loc. Masseria Cocco

**REALIZZAZIONE E GESTIONE DI UN IMPIANTO FOTOVOLTAICO DELLA POTENZA NOMINALE DI 47.00 MW CON RELATIVE OPERE DI CONNESSIONE ALLA RETE ELETTRICA NAZIONALE**

PROGETTO DEFINITIVO

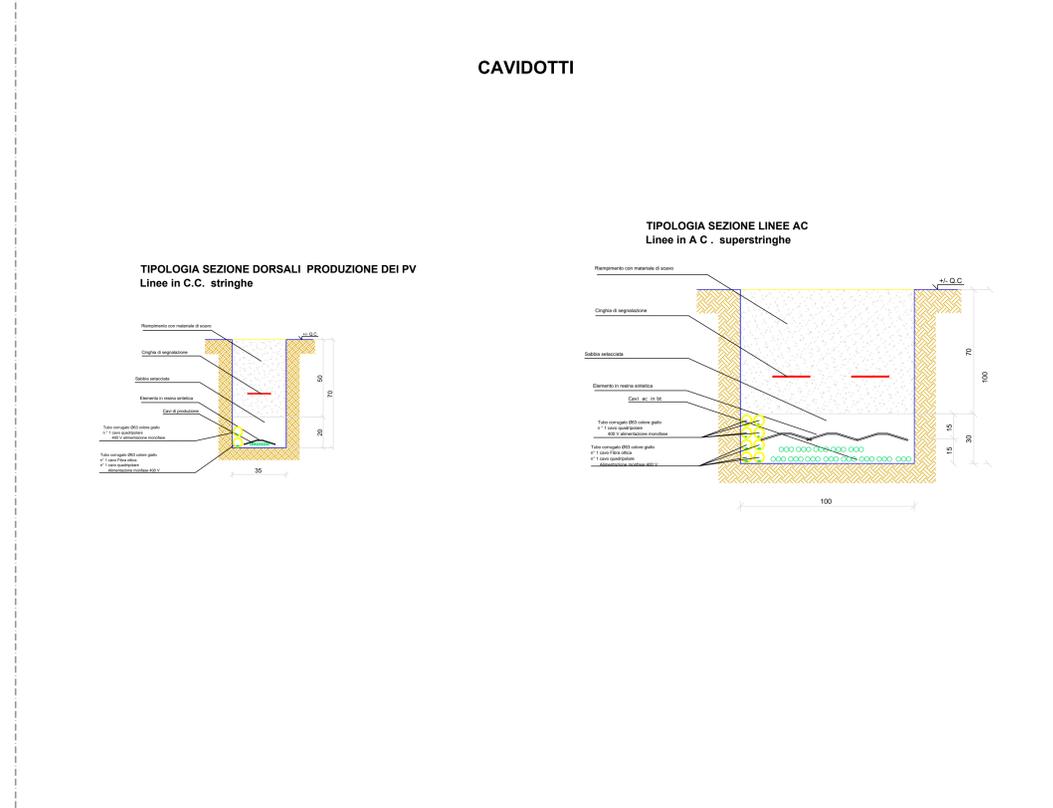
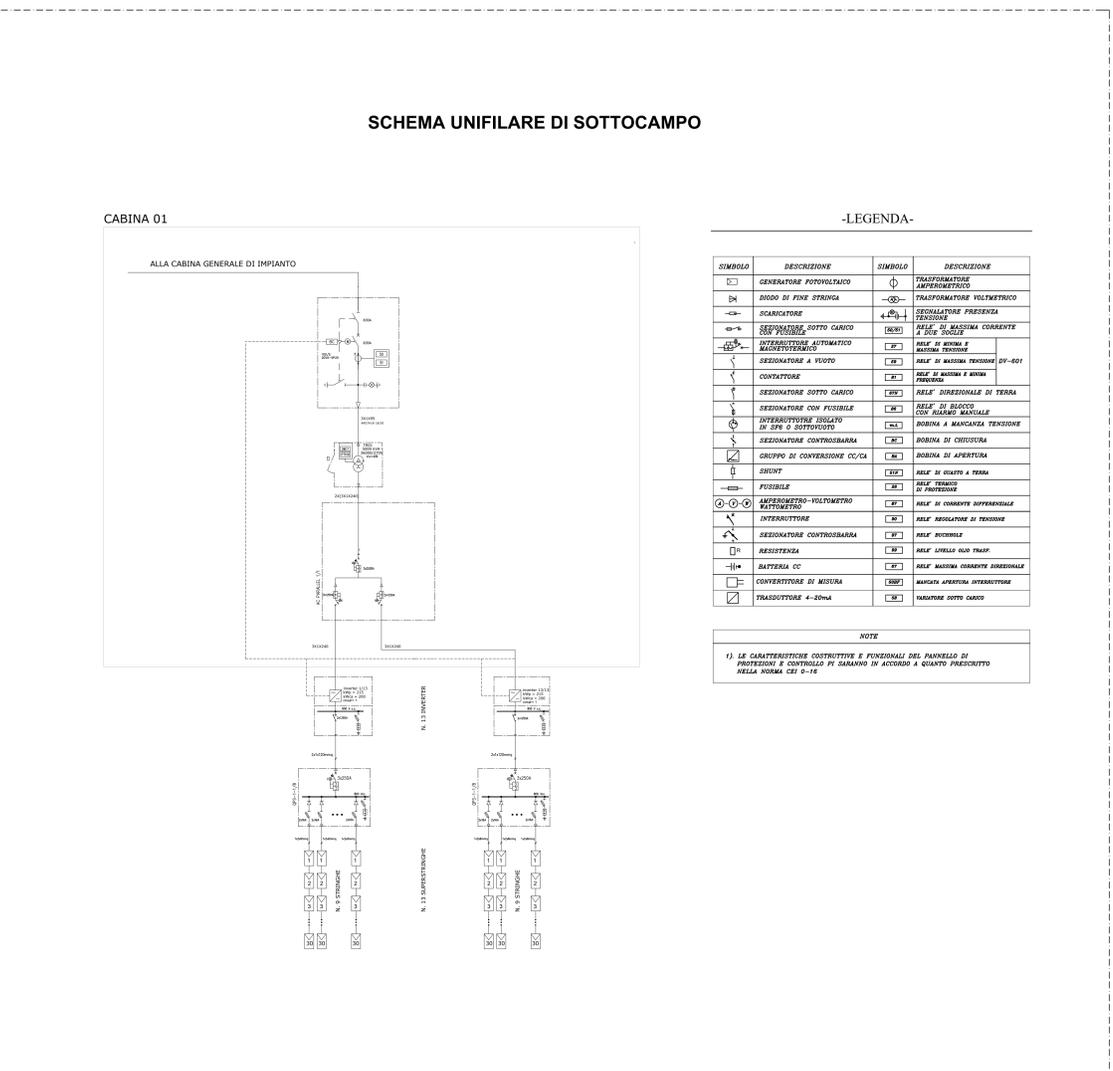
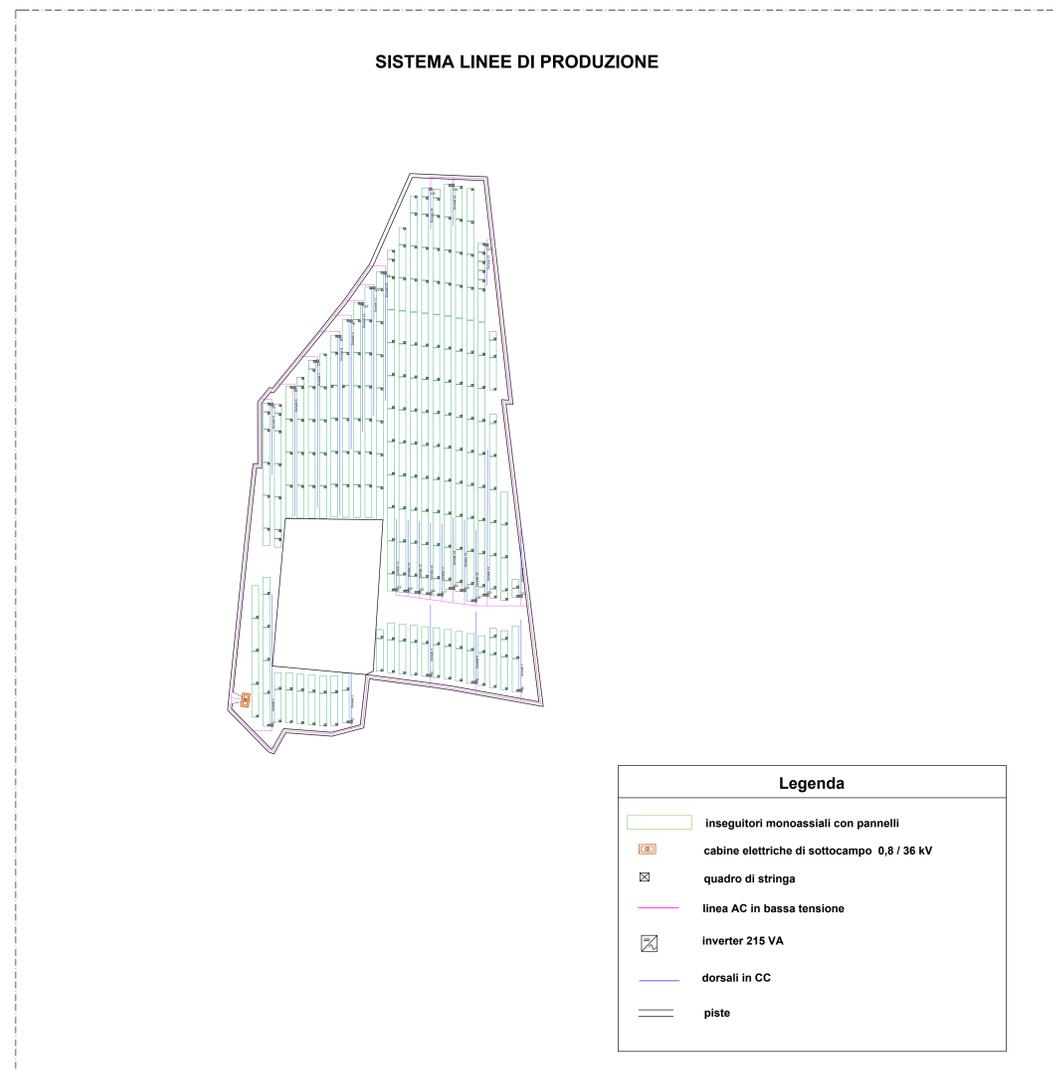
SOTTOCAMPO 3

PROGETTISTA: **Expand** (SALERNI) / **POWER PROJECT** (NAPOLI)

PRODOTTORE: **soc. ARAN 2 srl**  
 via Fratelli Ruspoli 8 00198 Roma

DATA: maggio 2023

REVISIONE: **E\_1.3**

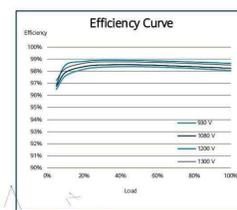


### INVERTER DISTRIBUITI

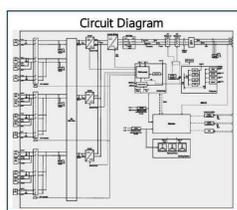
SUN2000-215KTL-H3  
 Smart String Inverter



**Efficiency Curve**



**Circuit Diagram**



**SUN2000-215KTL-H3 Technical Specifications**

Efficiency	
Max. Efficiency	≥99.0%
European Efficiency	≥98.8%
Input	
Max. Input Voltage	1,500 V
Number of MPP Trackers	3
Max. Current per MPPT	100A/100A/100A
Max. PV Input per MPPT	4,575
Start Voltage	350 V
MPPT Operating Voltage Range	500 V - 1,500 V
Nominal Input Voltage	1,080 V
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	144.8 A
Max. Output Current	155.2 A
Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Max. Total Harmonic Distortion	< 1%
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 (191.8 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 EVO2
AC Connector	Waterproof Connector + OT/OT Terminal
Protection Degree	IP65
Topology	Transformerless