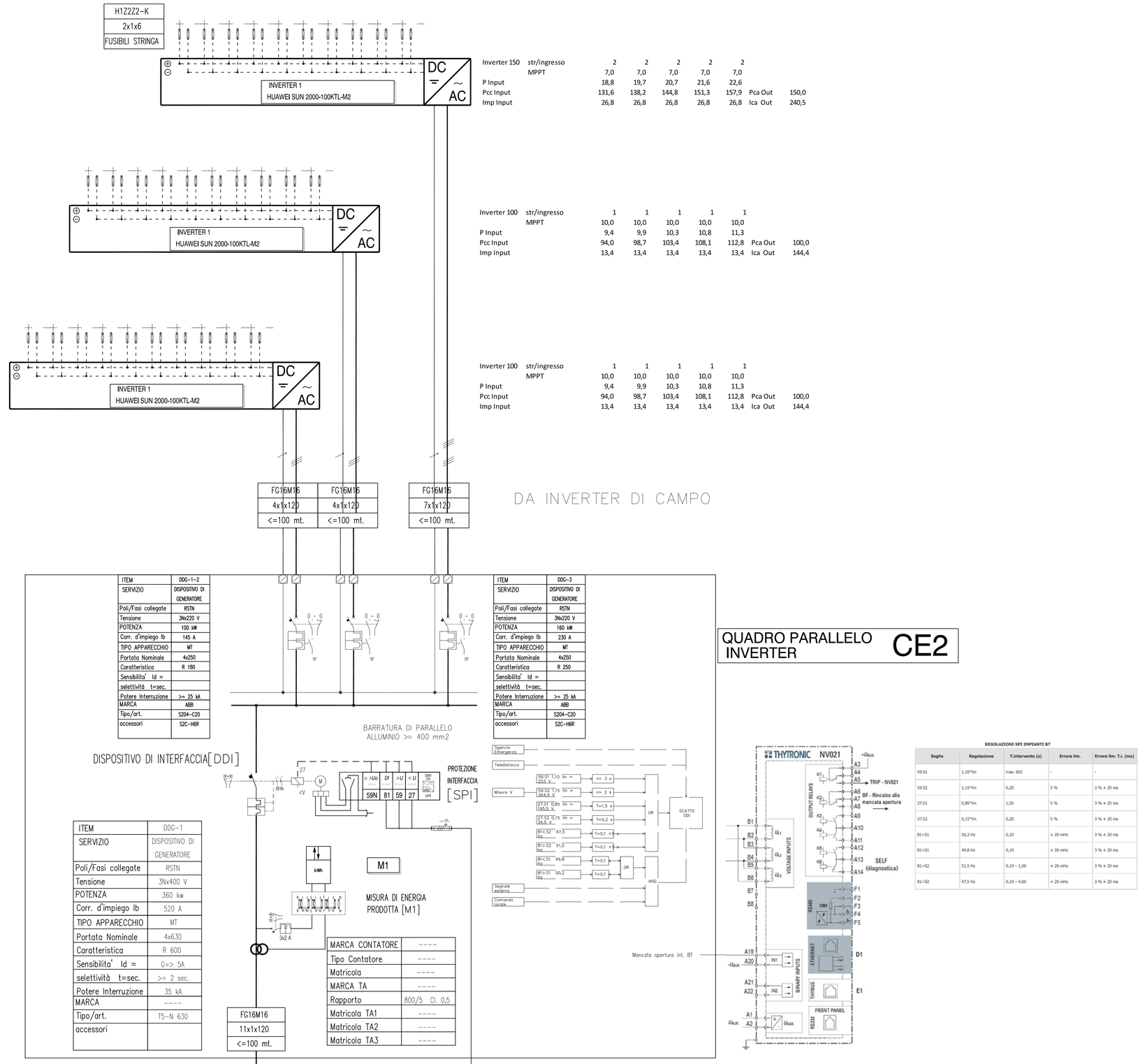
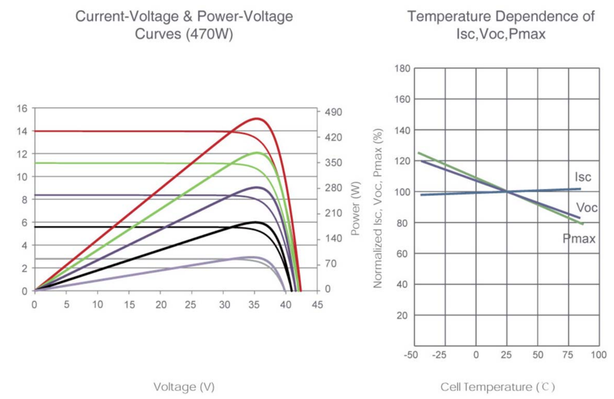


SCHEMA UNIFILARE

Electrical Performance & Temperature Dependence



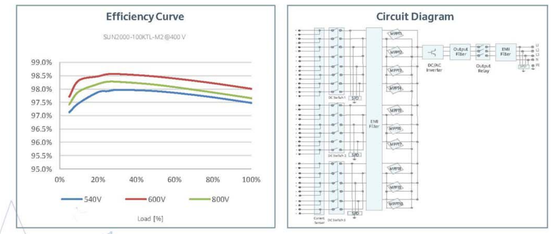
SPECIFICATIONS						
Module Type	JKM460N-60HL4 JKM460N-60HL4-V	JKM465N-60HL4 JKM465N-60HL4-V	JKM470N-60HL4 JKM470N-60HL4-V	JKM475N-60HL4 JKM475N-60HL4-V	JKM480N-60HL4 JKM480N-60HL4-V	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	460Wp	346Wp	465Wp	350Wp	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp
Maximum Power Voltage (Vmp)	34.72V	32.60V	34.89V	32.77V	35.05V	32.94V	35.21V	33.10V	35.38V	33.27V
Maximum Power Current (Imp)	13.25A	10.61A	13.33A	10.67A	13.41A	10.73A	13.49A	10.76A	13.57A	10.85A
Open-circuit Voltage (Voc)	42.05V	39.94V	42.22V	40.10V	42.38V	40.25V	42.54V	40.41V	42.71V	40.57V
Short-circuit Current (Isc)	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A	14.23A	11.49A	14.31A	11.55A
Module Efficiency STC (%)	21.32%		21.55%		21.78%		22.01%		22.24%	
Operating Temperature(℃)	-40℃~+85℃									
Maximum system voltage	1000/1500V DC (IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3%									
Temperature coefficients of Pmax	-0.30%/℃									
Temperature coefficients of Voc	-0.25%/℃									
Temperature coefficients of Isc	0.046%/℃									
Nominal operating cell temperature (NOCT)	45±2℃									

STC: Irradiance 1000W/m² | Cell Temperature 25°C | AM=1.5
NOCT: Irradiance 800W/m² | Ambient Temperature 20°C | AM=1.5 | Wind Speed 1m/s

SPECIFICHE TECNICHE PANNELLO FOTOVOLTAICO

SUN2000-100KTL-M2
Smart PV Controller

10 MPP Trackers
98.8% (@480V) Max. Efficiency
String-level Management
Smart I-V Curve Diagnosis Supported
MBUS Supported
Support AFCI & Smart String Level Disconnector
Surge Arresters for DC & AC
IP66 Protection



SPECIFICHE TECNICHE INVERTER

Firmato digitalmente da
MAURIZIO GIUSEPPE VITTORIO PAPETTI
CN = PAPETTI MAURIZIO GIUSEPPE VITTORIO
O = Ordine degli Ingegneri della Provincia di Milano
C = IT

uprist Energy Experts	UPRIST S.r.l. via Monza, 99/6 - 20060 Gessate (MI) - e-mail: info@uprist.it			nome file:
	Il cantiere:	Scuola Secondaria di primo grado G. Leopardi via San Rocco, 4 - 20090 - Segrate (MI)	commessa	2411SGR
	Il committente:	Città di Segrate		
	Progettazione:	UPRIST s.r.l. - Via Monza, 99 / 6 20060 Gessate (MI)		
	Progetto:	IMPIANTO FOTOVOLTAICO DA 371,52 kWp e NUOVA CABINA MT-BT		
	Livello progetto:	PROGETTO DI FATTIBILITA' TECNICA	tipo documento	ELE
	Descrizione tavola:	SCHEMA UNIFILARE IMPIANTO FOTOVOLTAICO	disciplina	1
	scala / formato:	VARIA / A0	n° tavola	1

DISEGNO VALIDO SOLO PER IMPIANTO FOTOVOLTAICO

rev	data	emissione		
3				
2				
1				
0	18/11/2024	STUDIO DI FATTIBILITA' TECNICA	RM	MP