



ATON Srl

RA3-10K3SXXL-YYY

Storage photovoltaic system : electric board
Control board : ATN810RA
Panel: ATN843 + capacitive keyboard

MAIN VOLTAGE
MAIN FREQUENCY
BATTERY TYPE
WORKING BATTERY VOLTAGE
NOMINAL CAPACITY (XX)
MAXIMUM POWER (Tamb=25°C)
WORKING AMBIENT TEMPERATURE

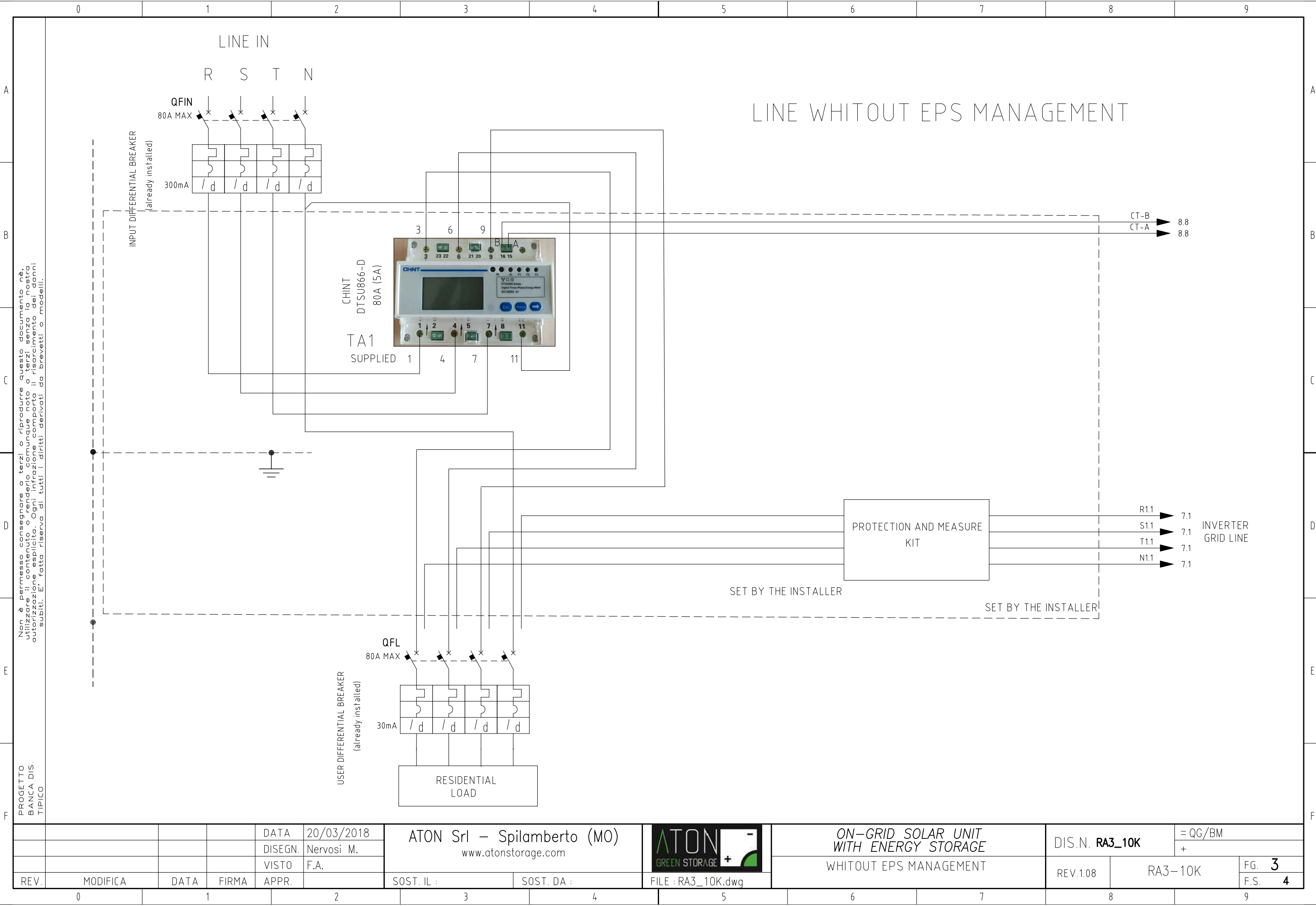
3x400	Vac
50	Hz
LiFePO4	
170-500	Vdc
10/12.5/15/17.5/20	kWh
10000	W
0/+45	°C

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PROGETTO
BANCA DIS.
TIPICO

				DATA	20/03/2018	ATON Srl – Spilamberto (MO) www.atonstorage.com			ON-GRID SOLAR UNIT WITH ENERGY STORAGE	DIS.N. RA3_10K		= QG/BM	
				DISEGN.	Nervosi M.							+	
				VISTO	F.A.								
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE : RA3_10K.dwg	TITLE	REV.1.08	RA3–10K		FG. 1 F.S. 2

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A		LISTA FOGLI \ INDEX																									
		Foglio Sheet	Descrizione Description	Revisione \ Revision										Foglio Sheet	Descrizione Description	Revisione \ Revision											
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B		3	WHITOUT EPS MANAGEMENT																								
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		6	SINGLE-PHASE-THREE PHASE AUX.INVERTER																								
		7	INVERTER ALTERNATE SECTION																								
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		9	BATTERIES CONNECTION																								
C		10	CPU BOARD - ALIM. / DIG. I/O / POWER SUPPLY - DIGITAL INPUT/OUTPUT																								
		11	CPU BOARD - AI / ANALOG INPUT/OUTPUT																								
		12	CPU BOARD - COMMS / COMMS ON CPU																								
		14	CPU BOARD - EXP / EXPANSIONS CONTROL																								
		21	TERMINAL BLOCK																								



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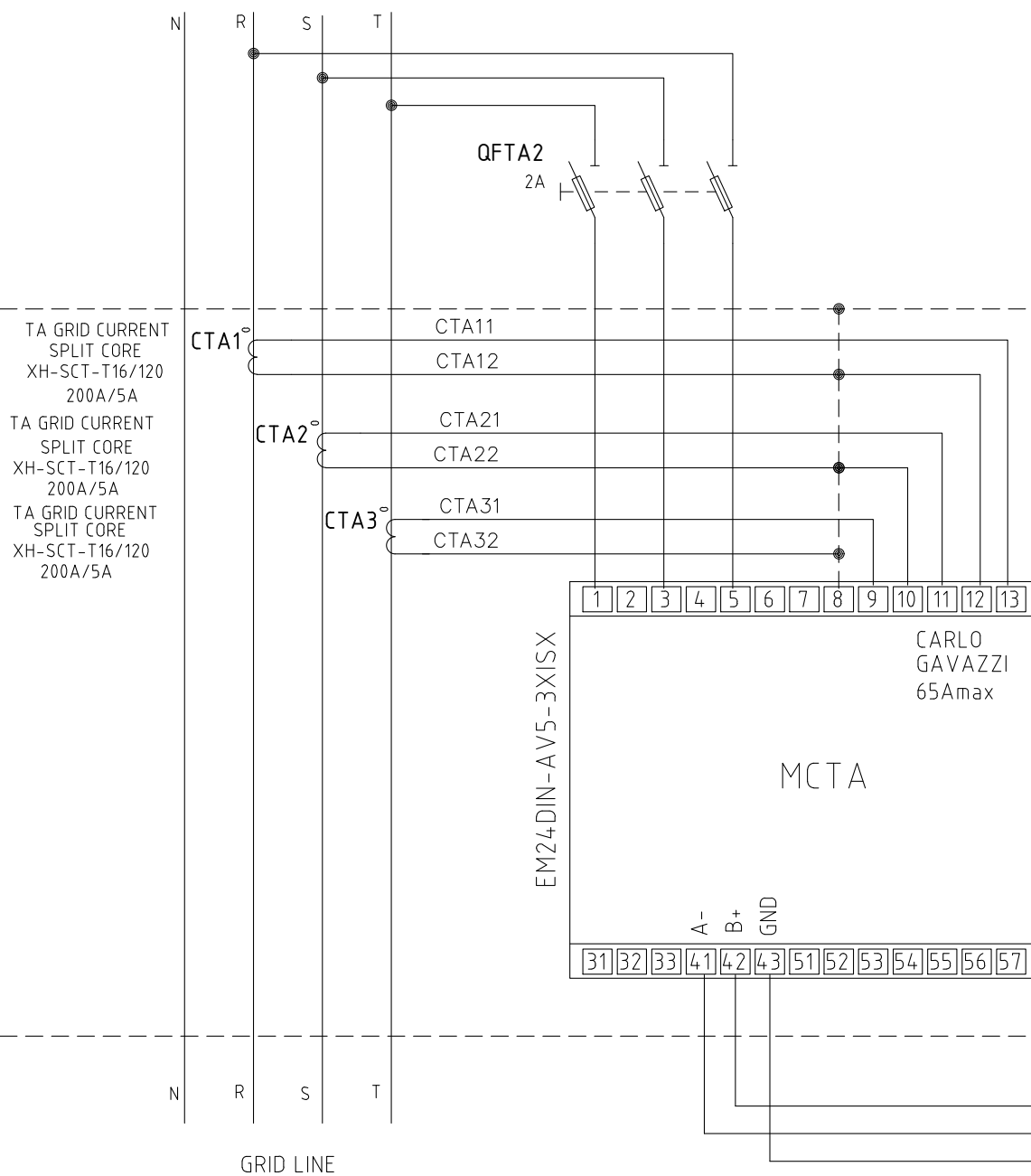


AUXILIARY SOLAR INVERTER or AUXILIARY EV CHARGER

Three phase
METERING
SOLAR or EV-CHARGE LINE

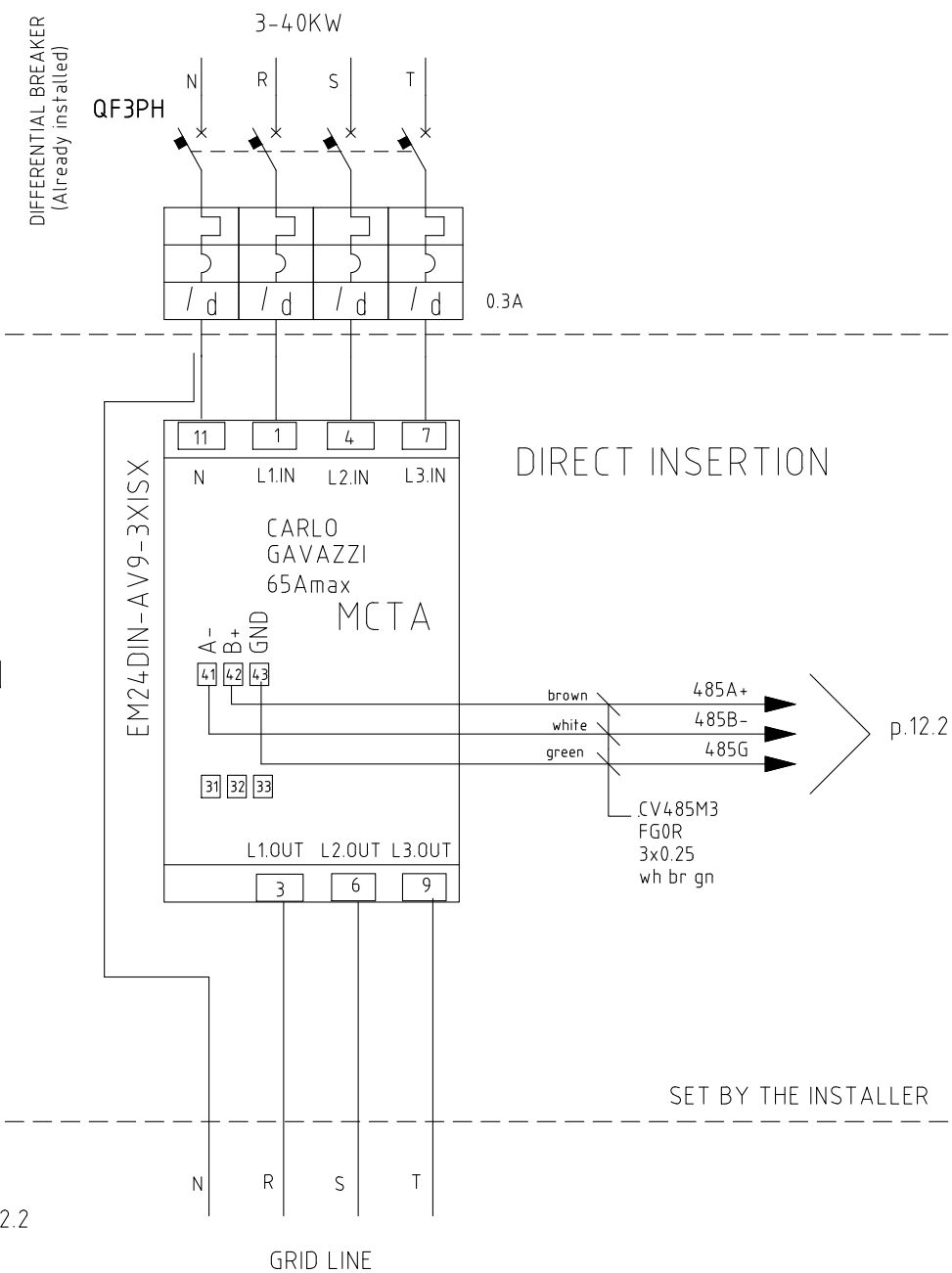
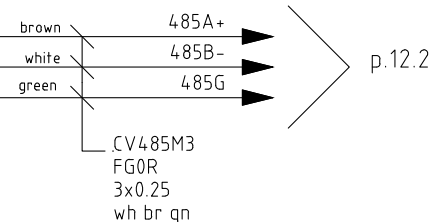
OPTIONAL

Three phase
METERING
SOLAR or EV-CHARGE LINE



INDIRECT INSERTION

SET BY THE INSTALLER

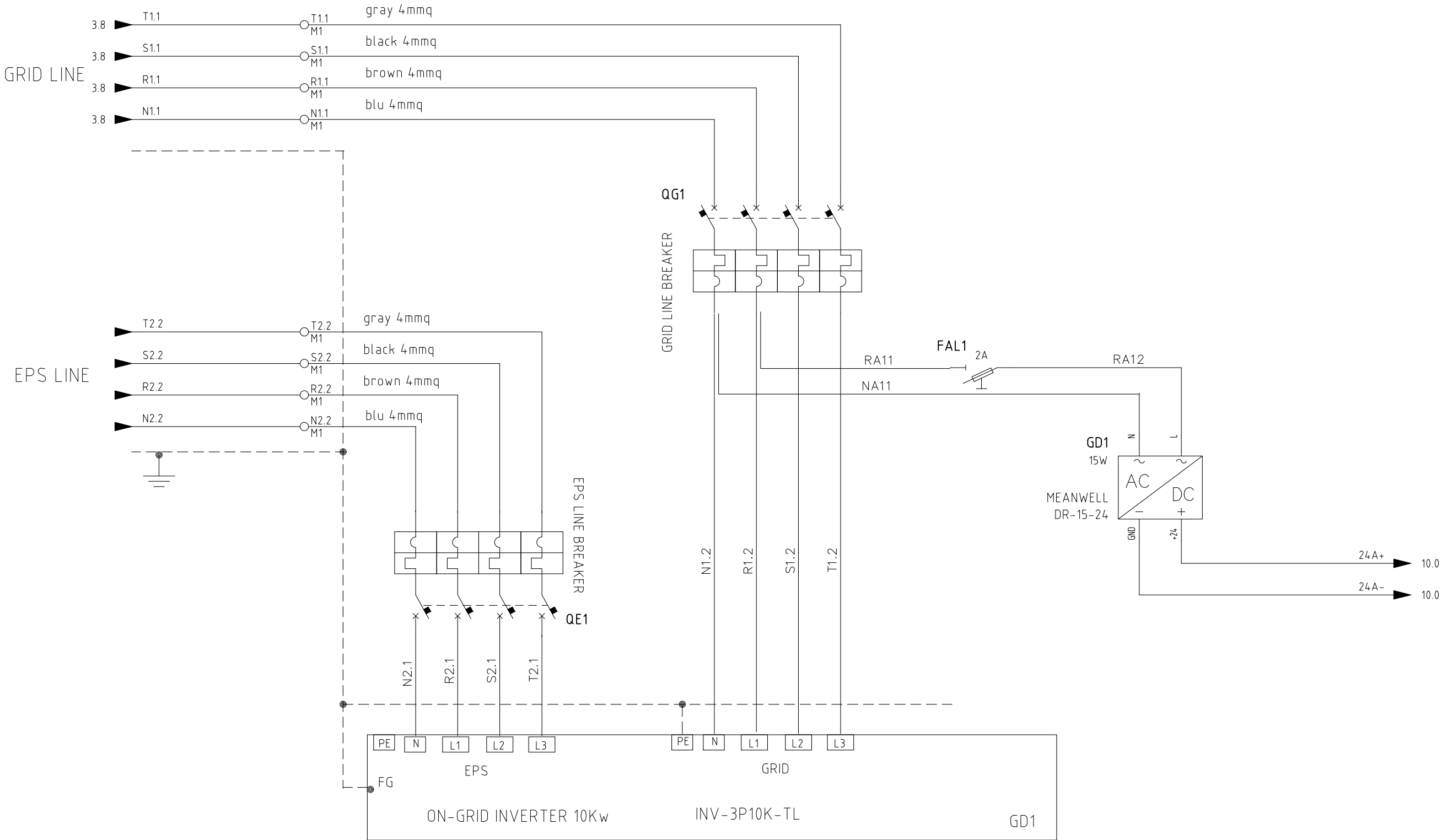


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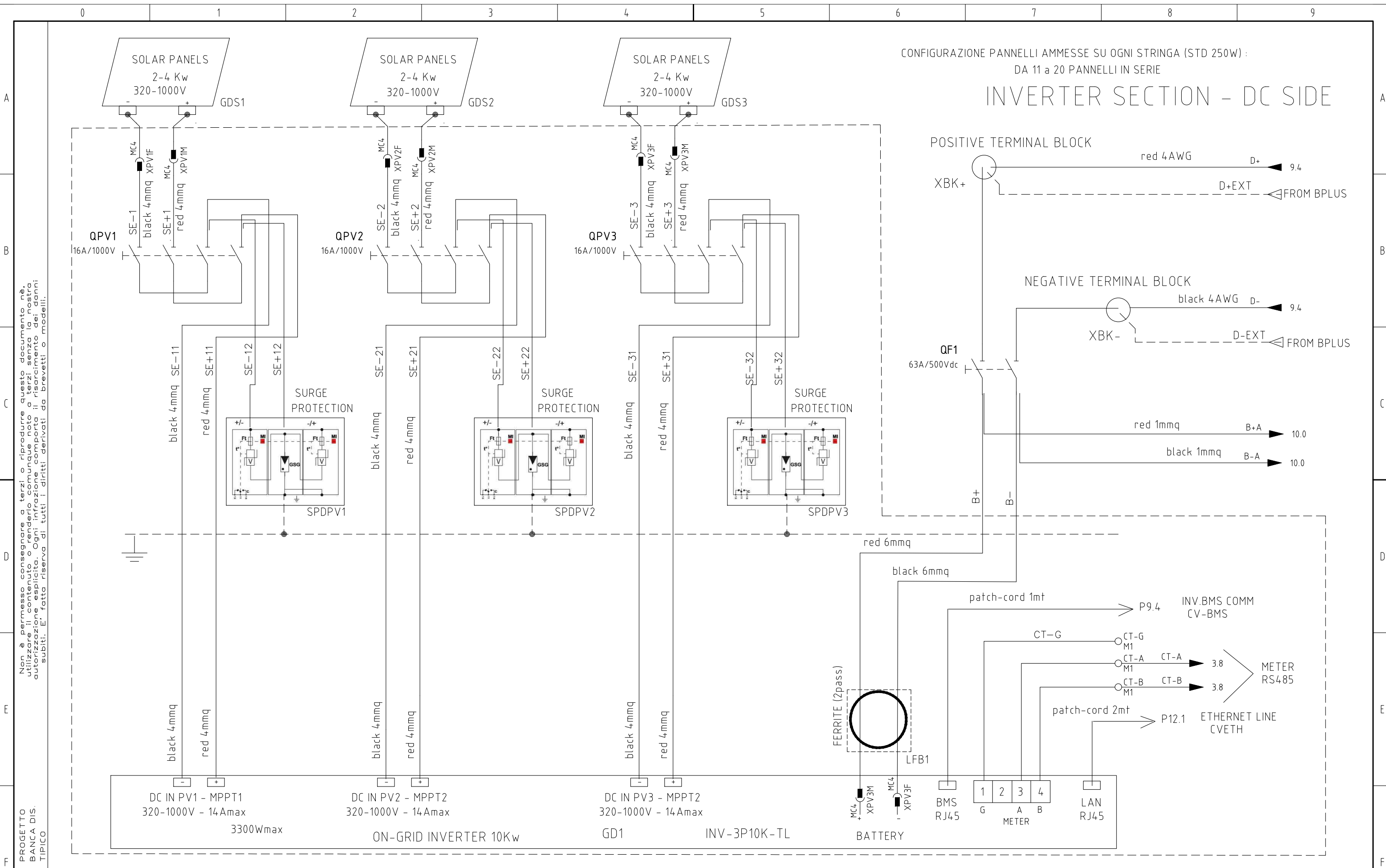
PROGETTO
BANCA DIS.
TIPICO

REV.	MODIFICA	DATA	FIRMA	APPR.	SOST. IL :	SOST. DA :	FILE : RA3_10K.dwg	ON-GRID SOLAR UNIT WITH ENERGY STORAGE	SINGLE-PHASE-THREE PHASE AUX.INVERTER	DIS.N. RA3_10K	REV.1.08	RA3-10K	= QG/BM +	FG. 6 F.S. 7
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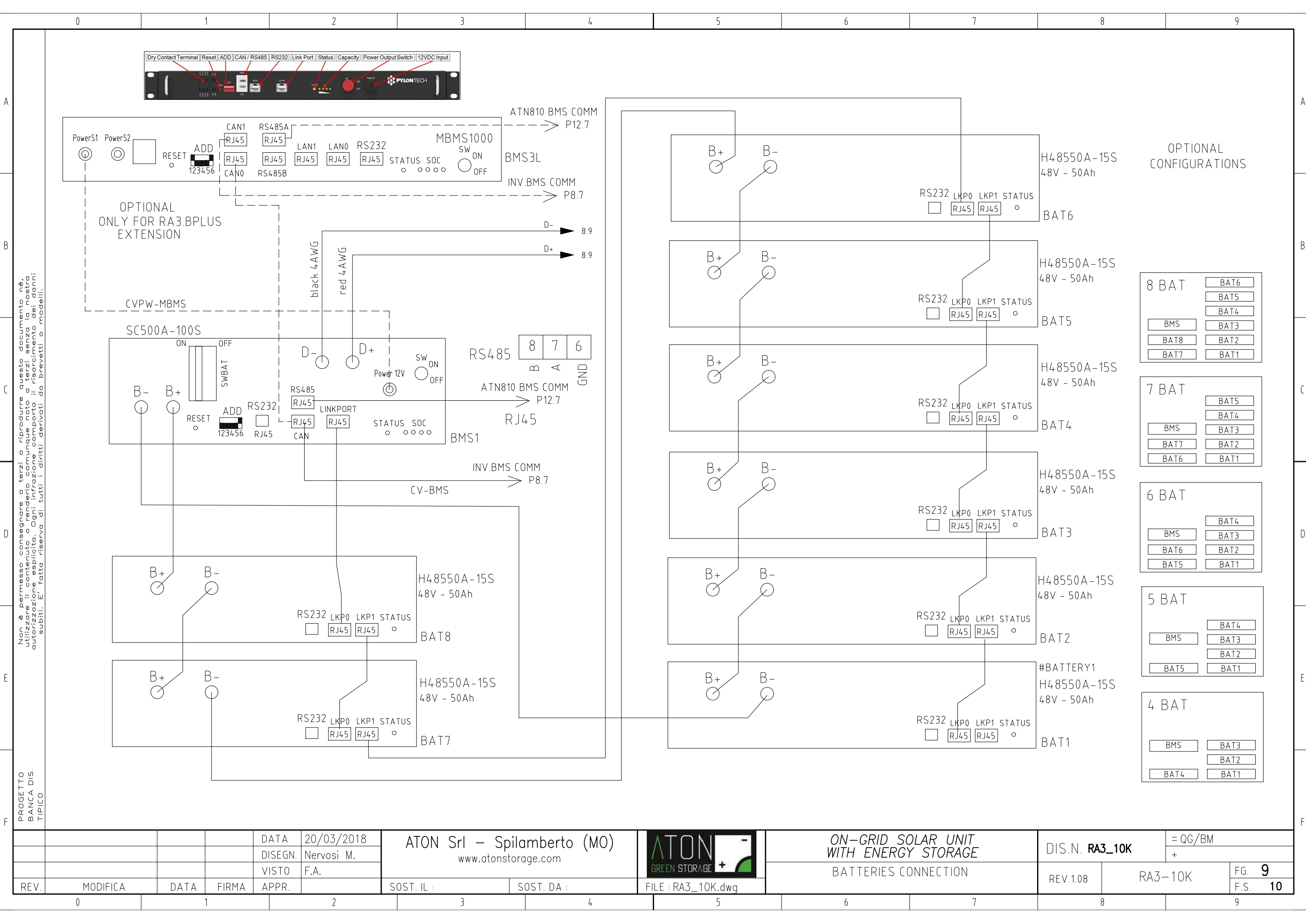
INVERTER SECTION - AC SIDE

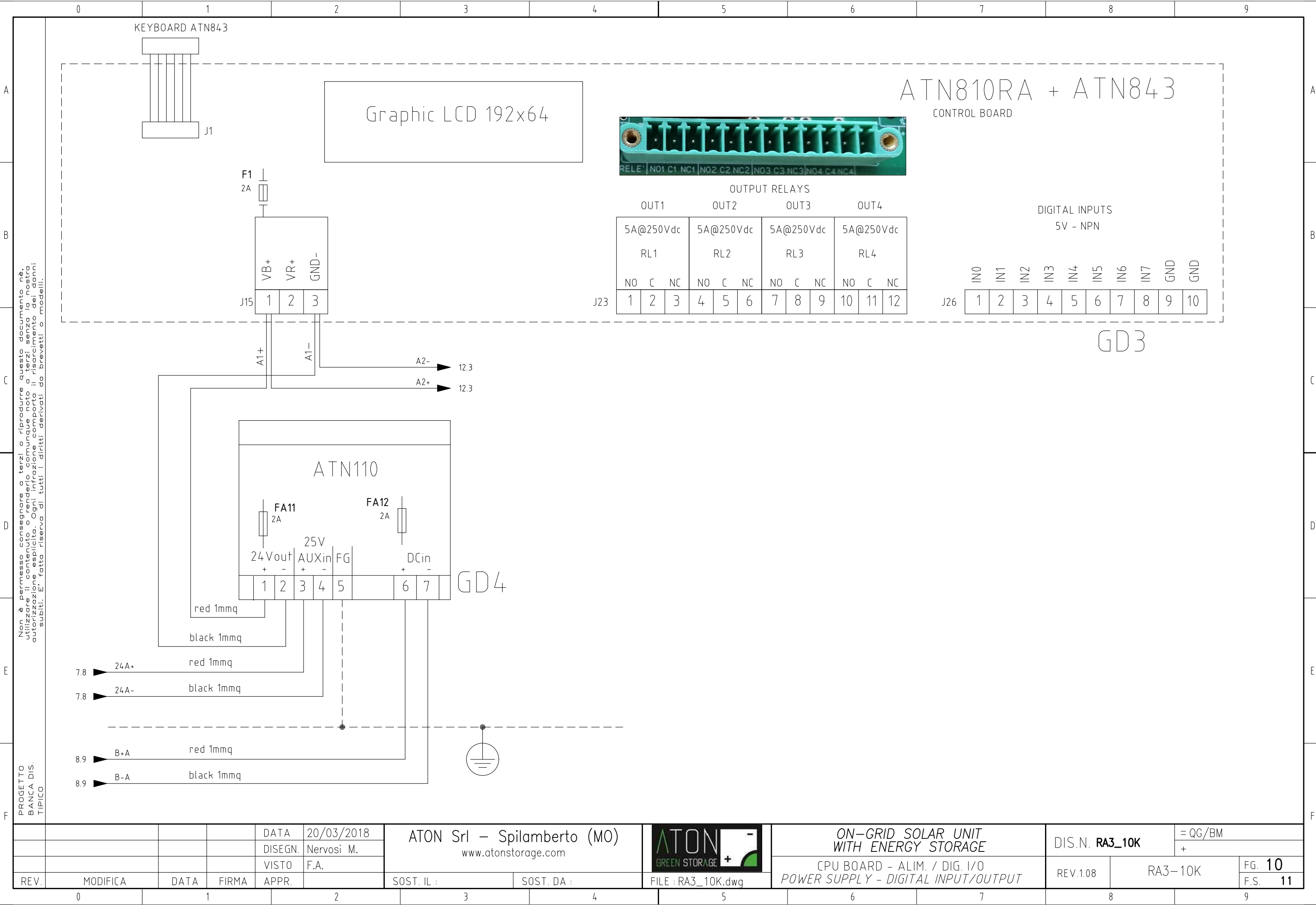


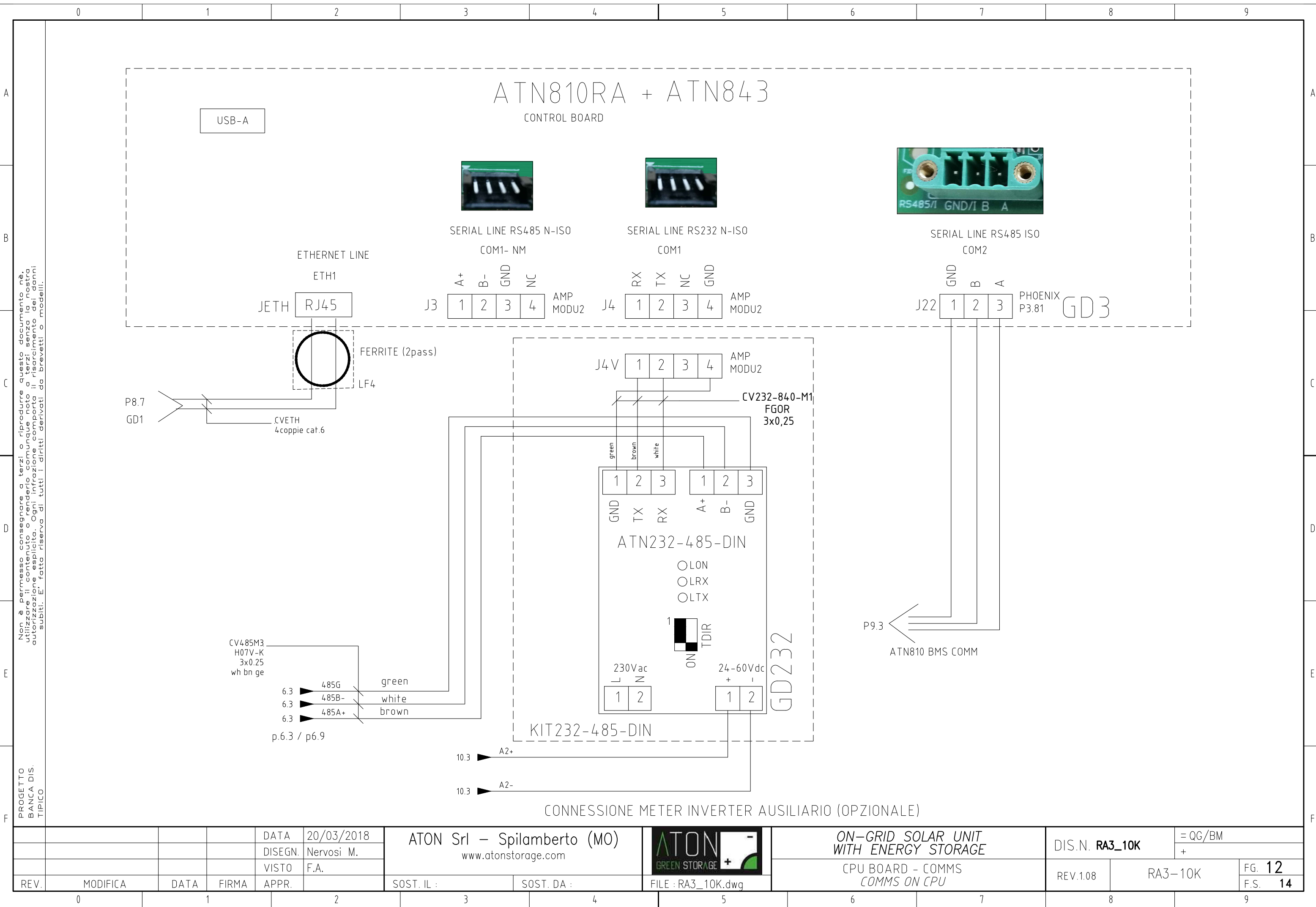
				DATA	20/03/2018	ATON Srl – Spilamberto (MO) www.atonstorage.com			ON-GRID SOLAR UNIT WITH ENERGY STORAGE		DIS.N. RA3_10K		= QG/BM	
				DISEGN.	Nervosi M.								+	
				VISTO	F.A.						INVERTER ALTERNATE SECTION		REV.1.08	RA3–10K
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE : RA3_10K.dwg						F.S. 8

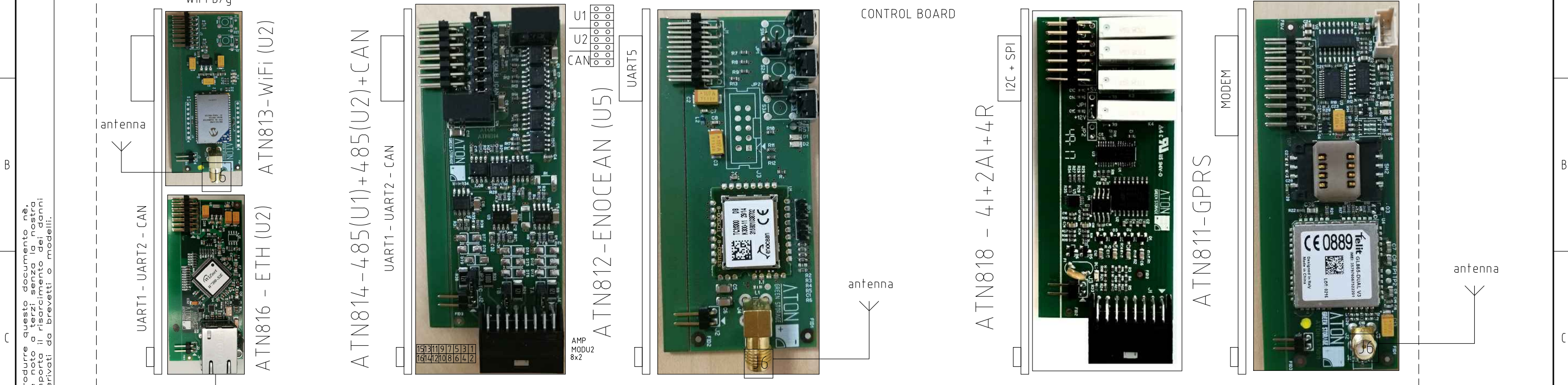


PROGETTO BANCA DIS. TIPICO				DATA	20/03/2018	ATON Srl – Spilamberto (MO) www.atonstorage.com		ON-GRID SOLAR UNIT WITH ENERGY STORAGE INVERTER CONTINUOUSLY SECTION		DIS.N. RA3_10K		= QG/BM +	
				DISEGN.	Nervosi M.					REV.1.08		RA3-10K	
				VISTO	F.A.							FG. 8	
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE : RA3_10K.dwg				F.S.	9



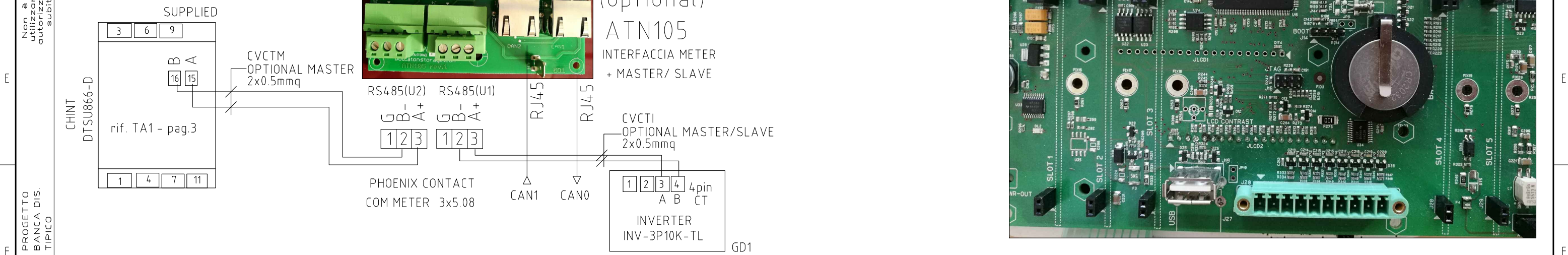






Meter aux. option
KST485CAN-M:

- N.1 ATN814
- N.1 ATN105
- N.1 CV814-105
- N.1 CVRJ45-5MT



				DATA	20/03/2018	ATON Srl – Spilamberto (MO) www.atonstorage.com			ON-GRID SOLAR UNIT WITH ENERGY STORAGE		DIS.N. RA3_10K		= QG/BM						
				DISEGN.	Nervosi M.							+							
				VISTO	F.A.														
REV.	MODIFICA	DATA	FIRMA	APPR.		SOST. IL :	SOST. DA :	FILE : RA3_10K.dwg	CPU BOARD - EXP EXPANSIONS CONTROL		REV.1.08	RA3-10K		FG. 14 F.S. 21					
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