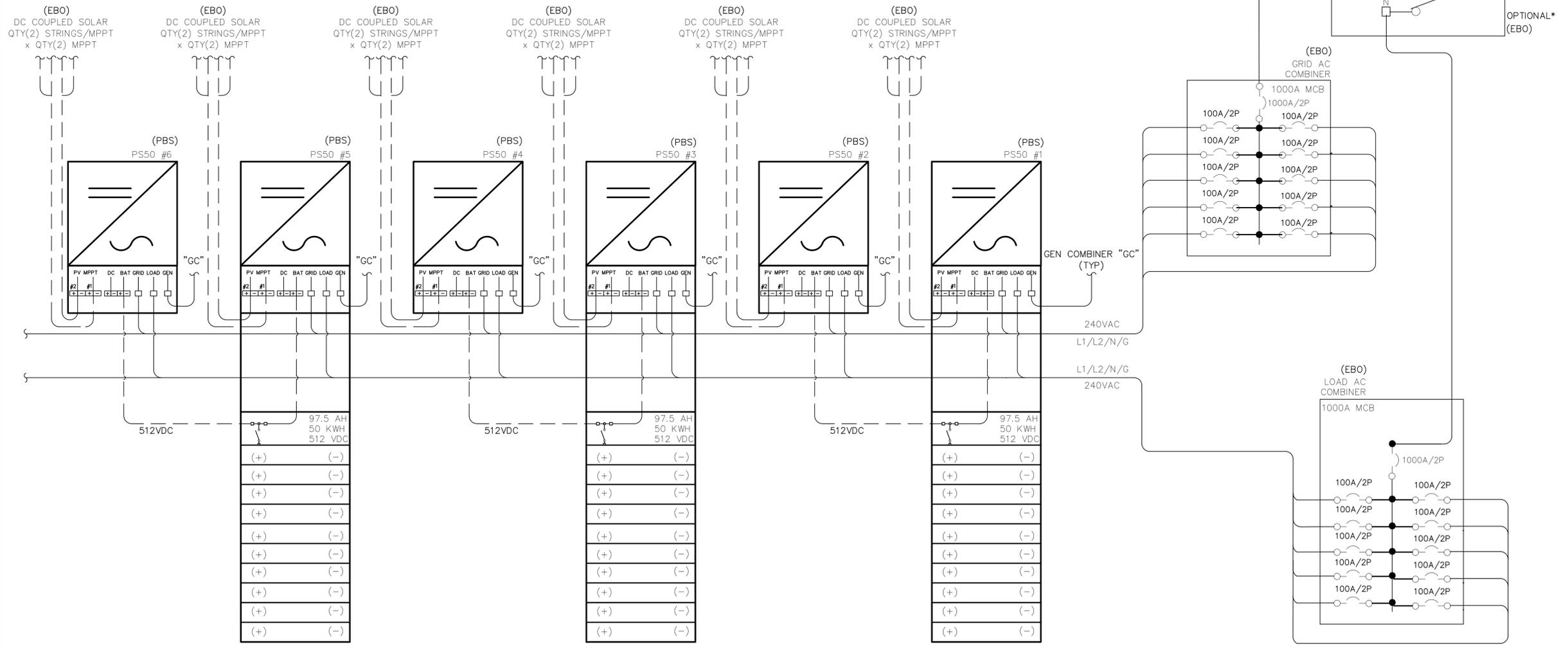


- 250KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
13KW / BATTERY STACK
- DISCHARGE RATE: 12.5KW / INVERTER
25KW / BATTERY STACK

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	"GENERATOR TO GRID" SYSTEMS REQUIRE A SAVANT CONTROLLER (DIRECTOR OR PRO HOST). THE GPIO PORT ON THE CONTROLLER SHALL BE CONNECTED TO THE AUXILIARY POSITIONAL CONTACTS ON THE GENERATOR ATS. THIS TELLS THE SAVANT SYSTEM THE POSITIONAL STATUS OF THE GEN ATS (NORMAL VS EMERGENCY).
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS	②	QTY (1) PS50 GRID TERMINAL INPUT IS RATED UP TO 24KW PER INVERTER FOR UTILITY OR GENERATOR PASS-THROUGH. GENERATOR POWER SHALL NOT BE LESS THAN THE POWER OF THE POTENTIAL HOUSE LOAD, PLUS THE SUM OF THE CHARGING POWER FOR ALL BATTERY STACKS.
(XM)	EQUIPMENT EXISTING TO REMAIN	③	CONSIDER USING A POLARIS TAP WITHIN THE ATS/MTS TO TAP THE INCOMING FEED. IF NO SPACE WITHIN THE ATS/MTS IS AVAILABLE, AN EXTERNAL JUNCTION BOX MAY BE USED.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



PS50_GEN TO GRID_12_10_2025_V00_R00.DWG

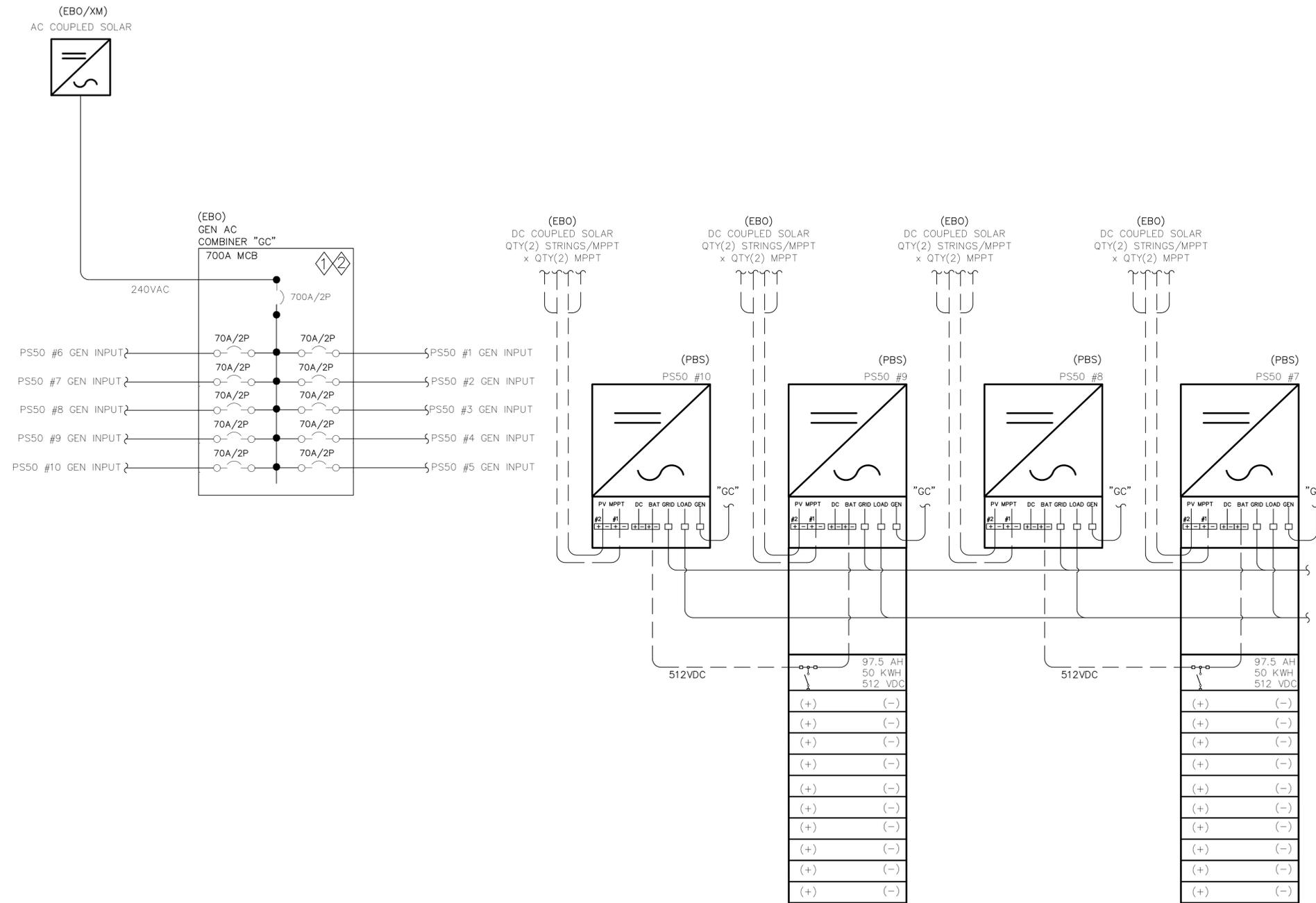
INTER-DISCIPLINE REVIEW							REVISIONS					DESIGN			SAVANT POWER		JOB NUMBER		REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	REV	VERSION	DATE	DRN	DSGN	CKD	APPD	DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		DRAWING NUMBER	
	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					JP		1000A: 125KW - 250KWH ESS PS50 ONLINE DIAGRAM (120/240V)		009-2644-00	
DATE																				
INIT																				

CERTIFICATE OF REGISTRATION NO. X-0000

1000A POWER STORAGE 50 SYSTEM NOTES

- 250KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER 13KW / BATTERY STACK
- DISCHARGE RATE: 12.5KW / INVERTER 25KW / BATTERY STACK

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS50 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		
(XM)	EQUIPMENT EXISTING TO REMAIN	②	QTY (1) PS50 GEN TERMINAL INPUT IS RATED UP TO 12.5KW AC SOLAR PER INVERTER. OFF GRID FREQUENCY SHIFTING IS AN INCLUDED FUNCTION ON THE GEN TERMINAL TO TURN AC SOLAR FEEDS ON OR OFF.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



PS50_GEN TO GRID_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW											DSGN	MAW	12-10-2025	SAVANT POWER		JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT							RESIDENTIAL MICROGRID			00	
DATE	*	*	*	*	*	*							1000A: 125KW - 250KWH ESS PS50 ONELINE DIAGRAM (120/240V)			009-2645-00	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW							
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD				

CERTIFICATE OF REGISTRATION NO. X-0000