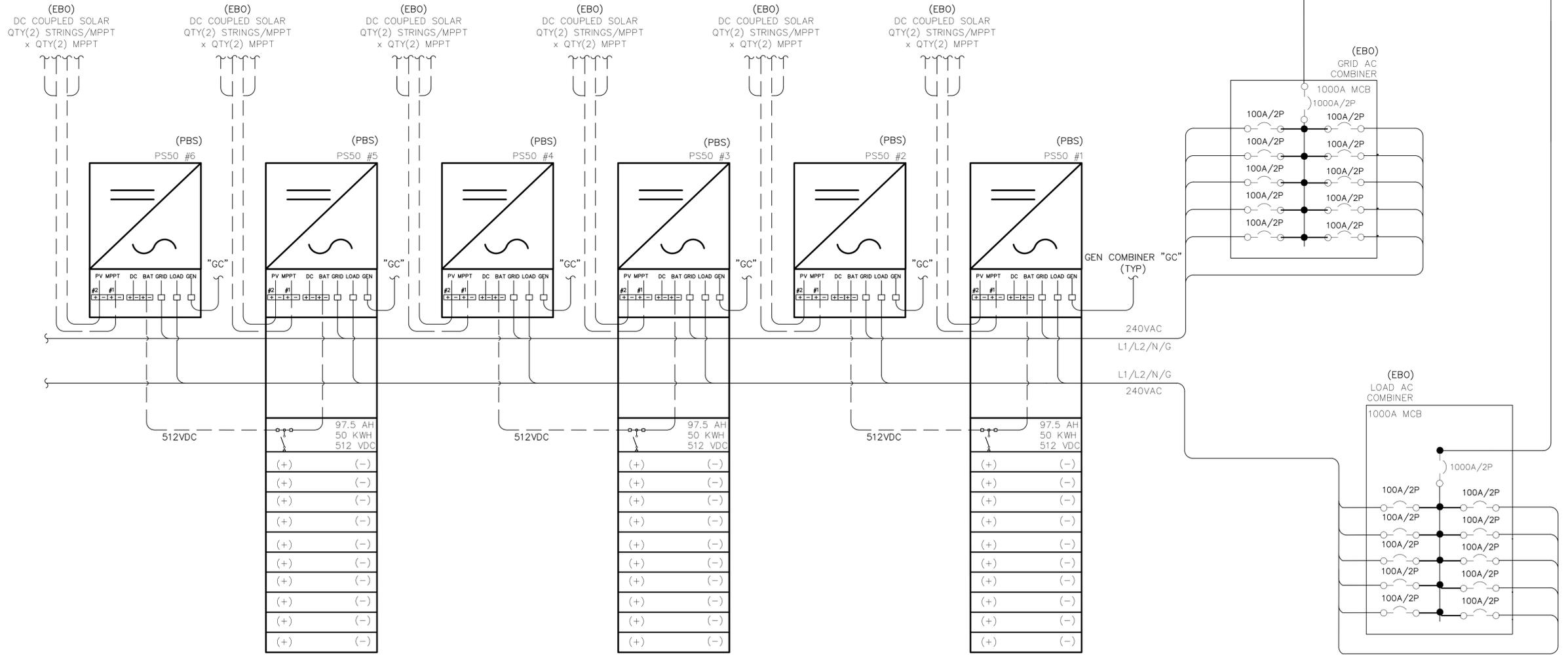




- 250KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
- 240KW / 1000A 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
(XM)	EQUIPMENT EXISTING TO REMAIN		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



PS50\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

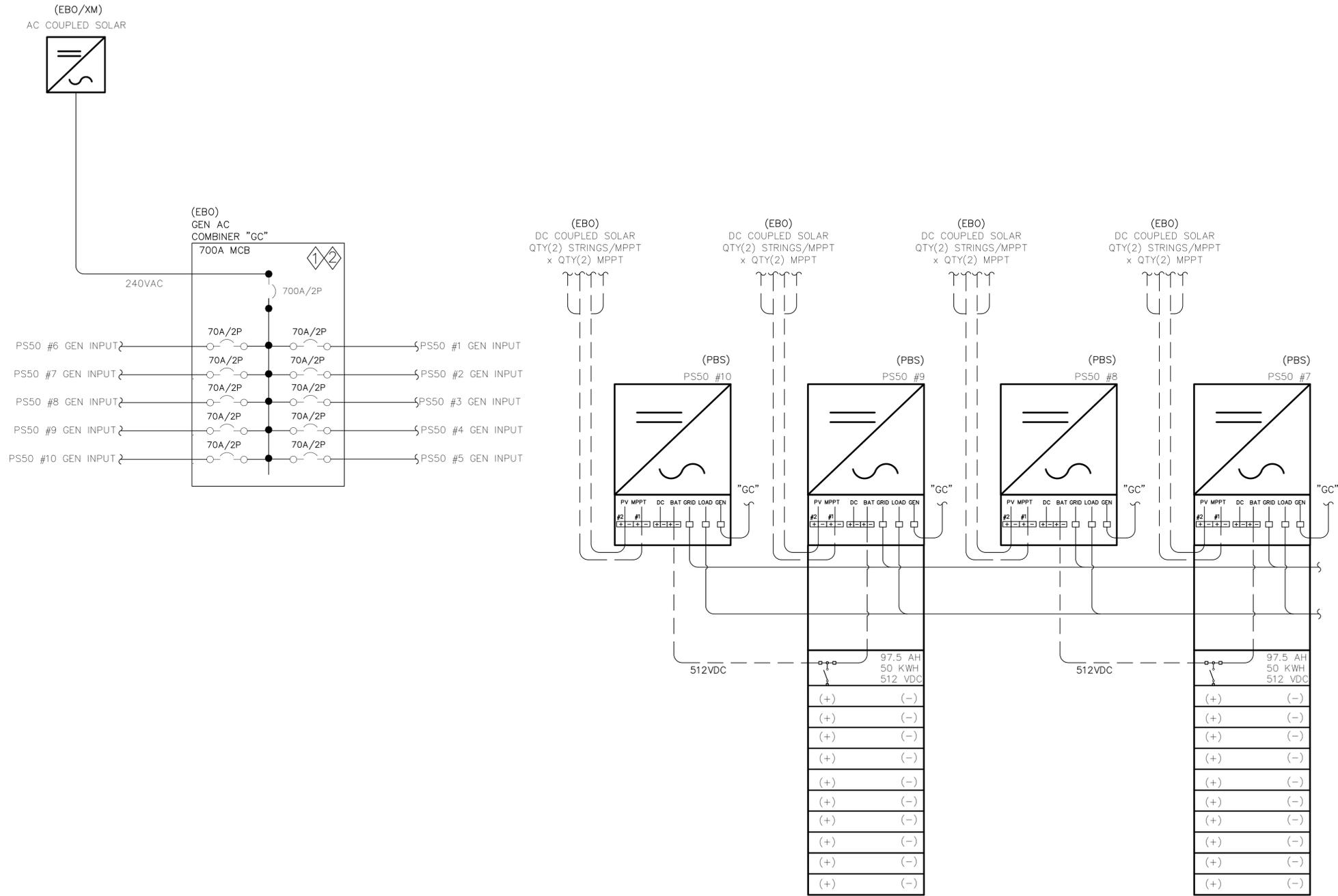
INTER-DISCIPLINE REVIEW											DSGN			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			①
DATE	*	*	*	*	*	*						CKD	JP		DRAWING NUMBER			
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			1000A: 125KW - 250KWH ESS PS50 ONLINE DIAGRAM (120/240V)		009-2646-00	
REV	REVISIONS			DATE	DRN	DSGN	CKD	APPD										

CERTIFICATE OF REGISTRATION NO. X-0000

1000A POWER STORAGE 50 SYSTEM NOTES

- 250KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
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- 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	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.
(XM)	EQUIPMENT EXISTING TO REMAIN		
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			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		-	00
DATE	*	*	*	*	*	*						CKD	JP		DRAWING NUMBER			
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			1000A: 125KW - 250KWH ESS PS50 ONELINE DIAGRAM (120/240V)		009-2647-00	
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000						