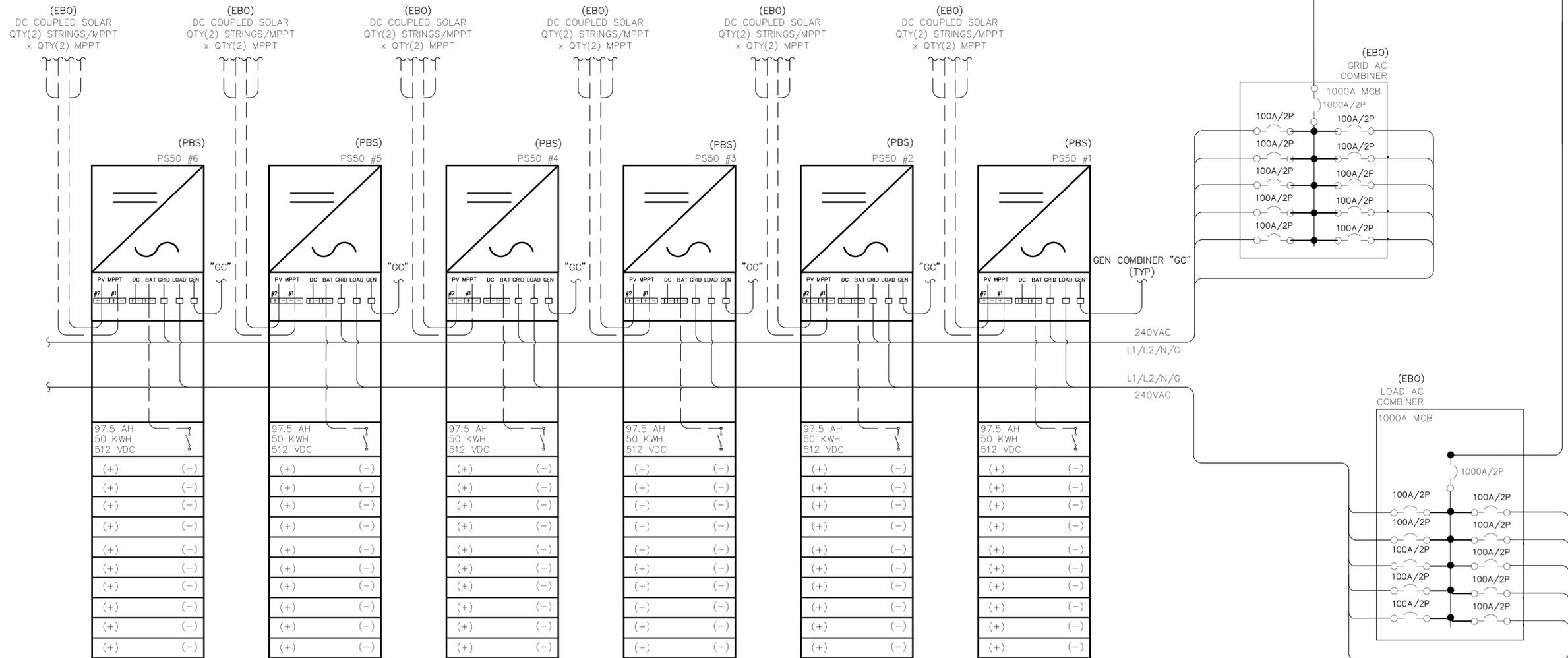


LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⬆	"GENERATOR TO GRID" SYSTEMS REQUIRE A SAVANT CONTROLLER (DIRECTOR OR PRO HOST). THE GPIO PORT ON THE CONTROLLER SHALL BE CONNECTED TO THE AUXILIARY POSITIONAL CONTACTS ON THE GENERATOR ATS. THIS TELLS THE SAVANT SYSTEM THE POSITIONAL STATUS OF THE GEN ATS (NORMAL VS EMERGENCY).
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		
(XM)	EQUIPMENT EXISTING TO REMAIN	⬇	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

1000A POWER STORAGE 50 SYSTEM NOTES

- 500KWH 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 / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



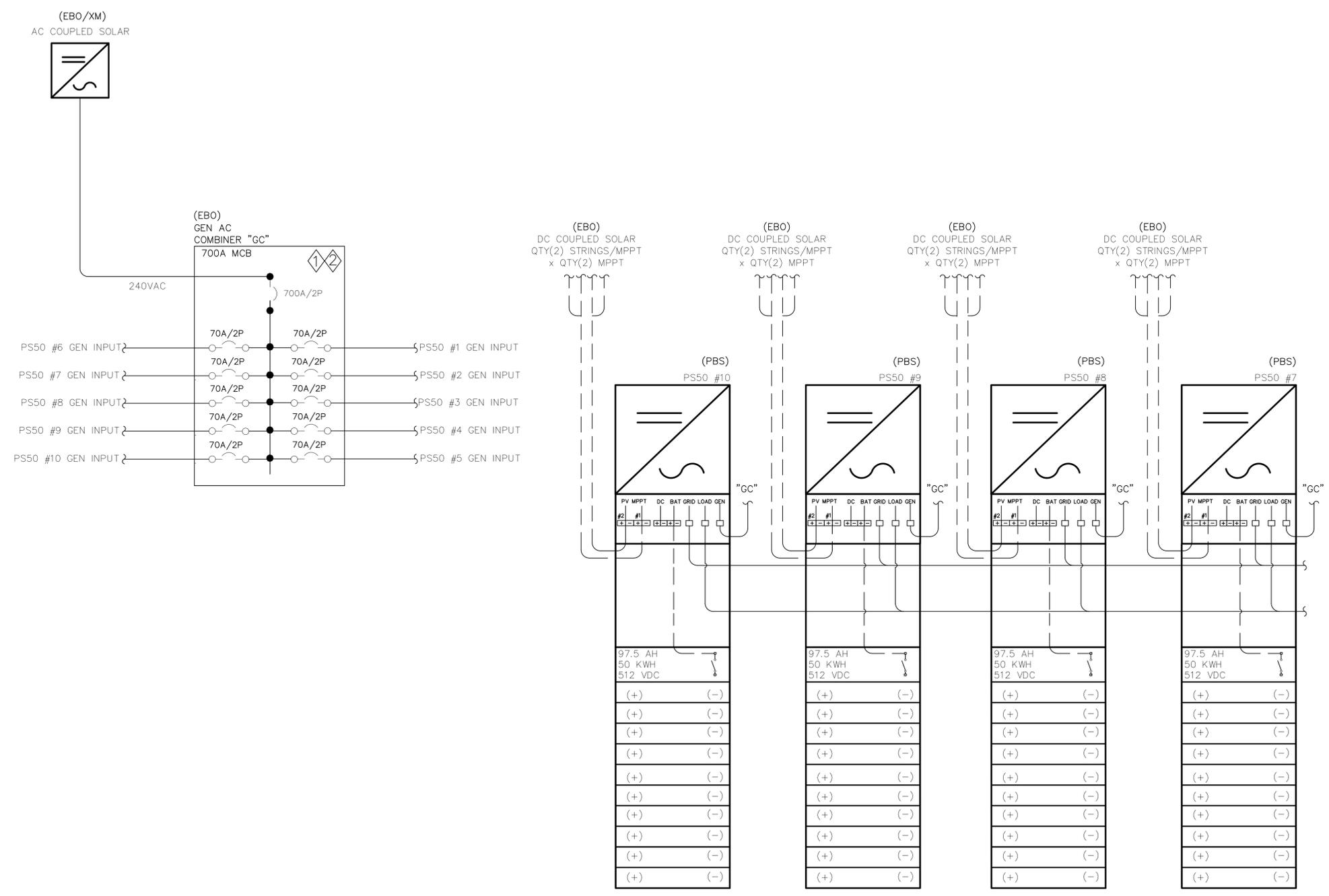
PS50_GEN TO GRID_12_10_2025_V00_R00.DWG

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 - 500KWH ESS PS50 ONLINE DIAGRAM (120/240V)		009-2642-00		
REV	REVISIONS			DATE	DRN	DSGN	CKD	APPD										CERTIFICATE OF REGISTRATION NO. X-0000	

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LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⬆	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	⬇	QTY (1) PS50 GEN TERMINAL INPUT IS RATED UP TO 12.5KW AC SOLAR PER BATTERY STACK. 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	*	*	*	*	*	*							DRAWING NUMBER			009-2643-00	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			1000A: 125KW - 500KWH ESS PS50 ONELINE DIAGRAM (120/240V)				
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000			