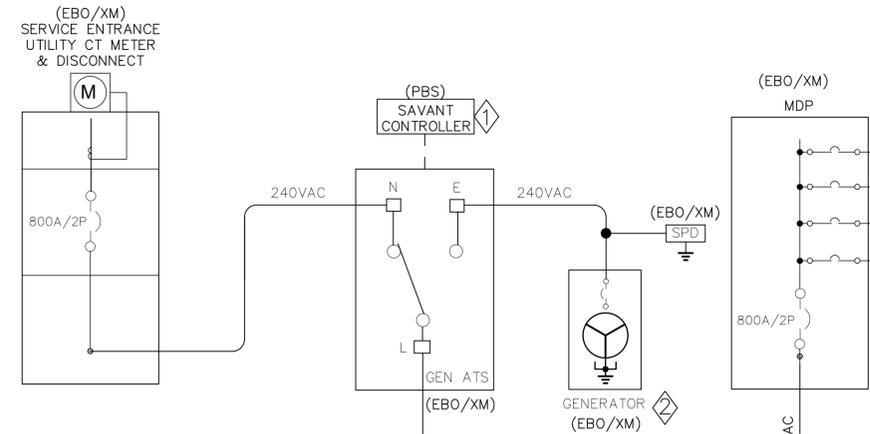
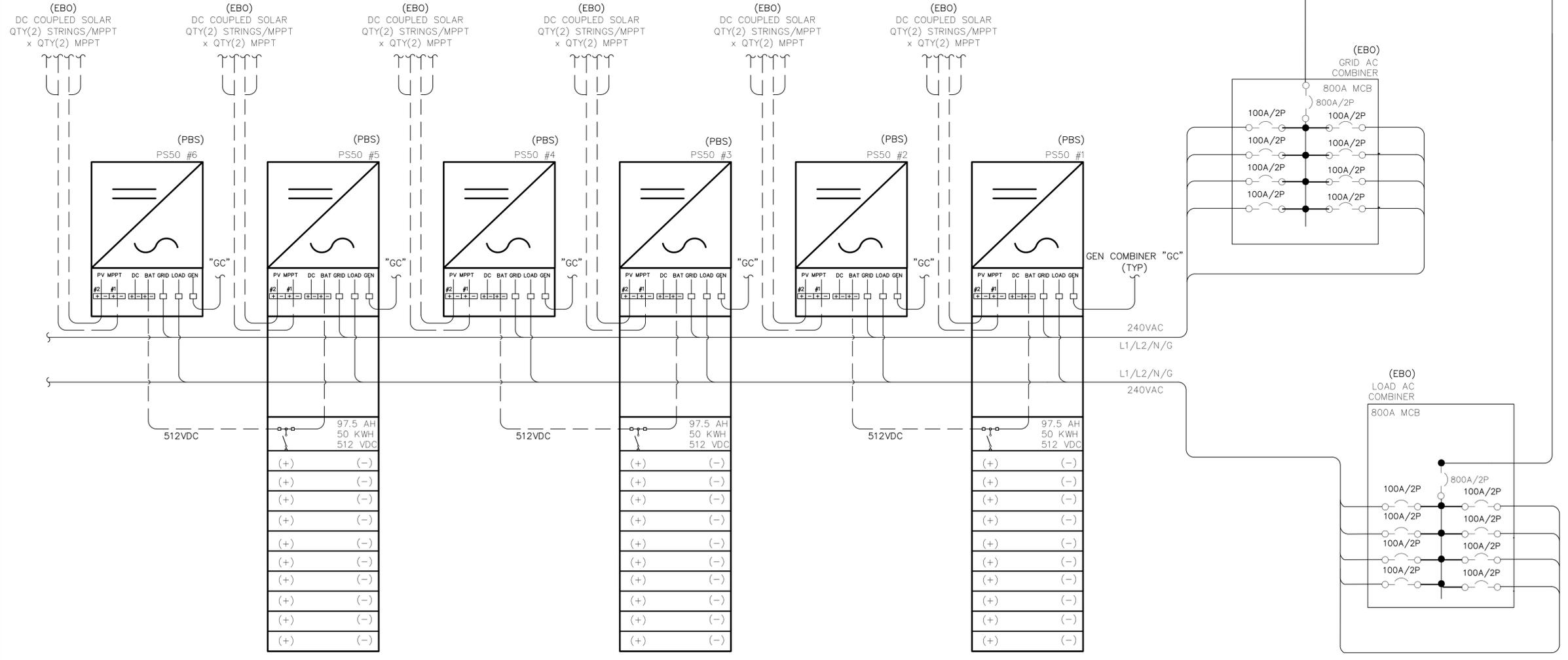




LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	"GENERATOR TO GRID" SYSTEMS REQUIRE A SAVANT CONTROLLER (DIRECTOR OR PRO HOST). THE GPIO PORT ON THE CONTROLLER SHALL BE CONNECTED TO THE AUXILIARY POSITIONAL CONTACTS ON THE GENERATOR ATS. THIS TELLS 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		



- 800A POWER STORAGE 50 SYSTEM NOTES**
- 200KWH RATED ENERGY STORAGE
  - OFFGRID CONTINUOUS: 100KW / 416.67A
  - QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
  - QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
  - MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
  - 192KW / 800A GRID PASS THROUGH
  - CHARGE RATE: 6.5KW / INVERTER  
13KW / BATTERY STACK
  - DISCHARGE RATE: 12.5KW / INVERTER  
25KW / BATTERY STACK



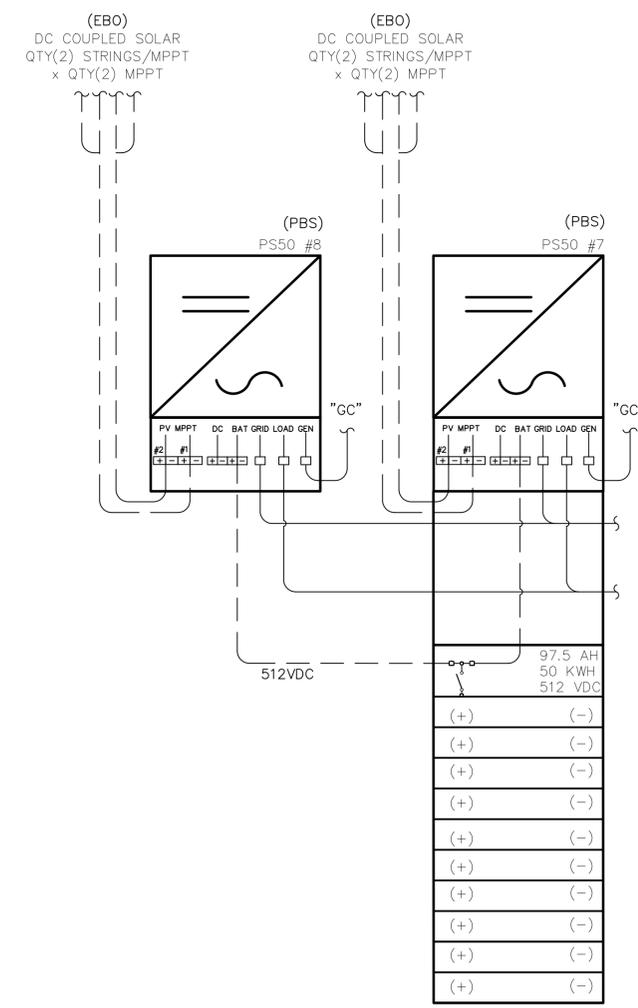
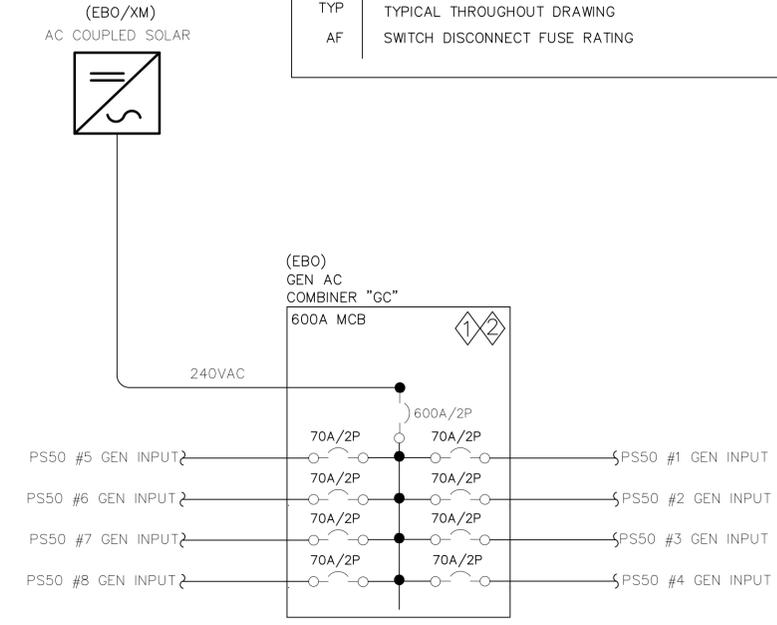
PS50\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW							00	VERSION 00	12-10-2025	MAW	DSGN	CKD	APPD	SCALE: AS NOTED	CERTIFICATE OF REGISTRATION NO. X-0000	SAVANT POWER		JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT										RESIDENTIAL MICROGRID	-	00	
DATE	*	*	*	*	*	*										DRAWING NUMBER	009-2674-00		
INIT	*	*	*	*	*	*										800A: 100KW - 200KWH ESS PS50 ONLINE DIAGRAM (120/240V)			
REVISIONS							REV	DATE	DRN	DSGN	CKD	APPD							

800A POWER STORAGE 50 SYSTEM NOTES

- 200KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 100KW / 416.67A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
- 192KW / 800A 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	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		



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INTER-DISCIPLINE REVIEW							DSGN	MAW	12-10-2025	SAVANT POWER	JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	DRN	JP	CKD		RESIDENTIAL MICROGRID	-	00
DATE	*	*	*	*	*	*	SCALE:	AS NOTED		800A: 100KW - 200KWH ESS PS50 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	009-2675-00	
INIT	*	*	*	*	*	*	REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD

CERTIFICATE OF REGISTRATION NO. X-0000