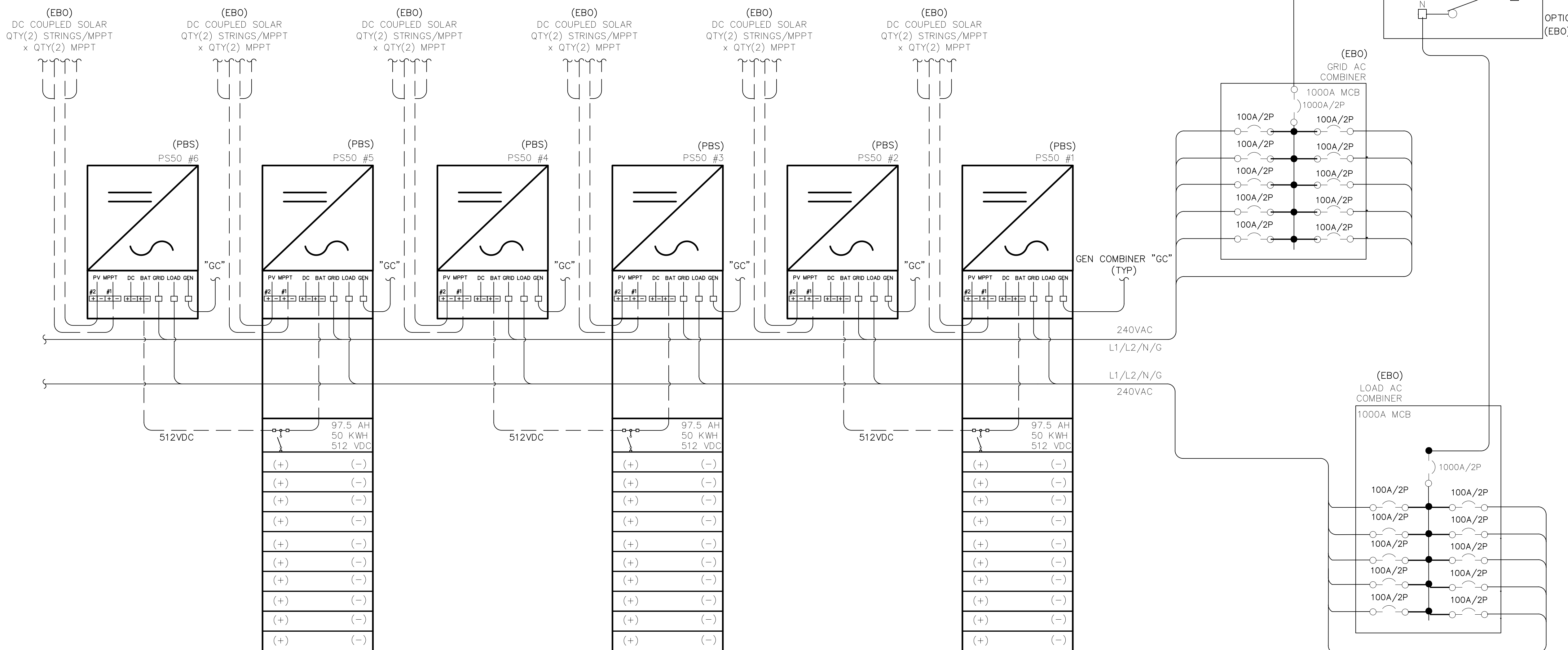


KEYNOTE DRAWING NOTES

1 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.

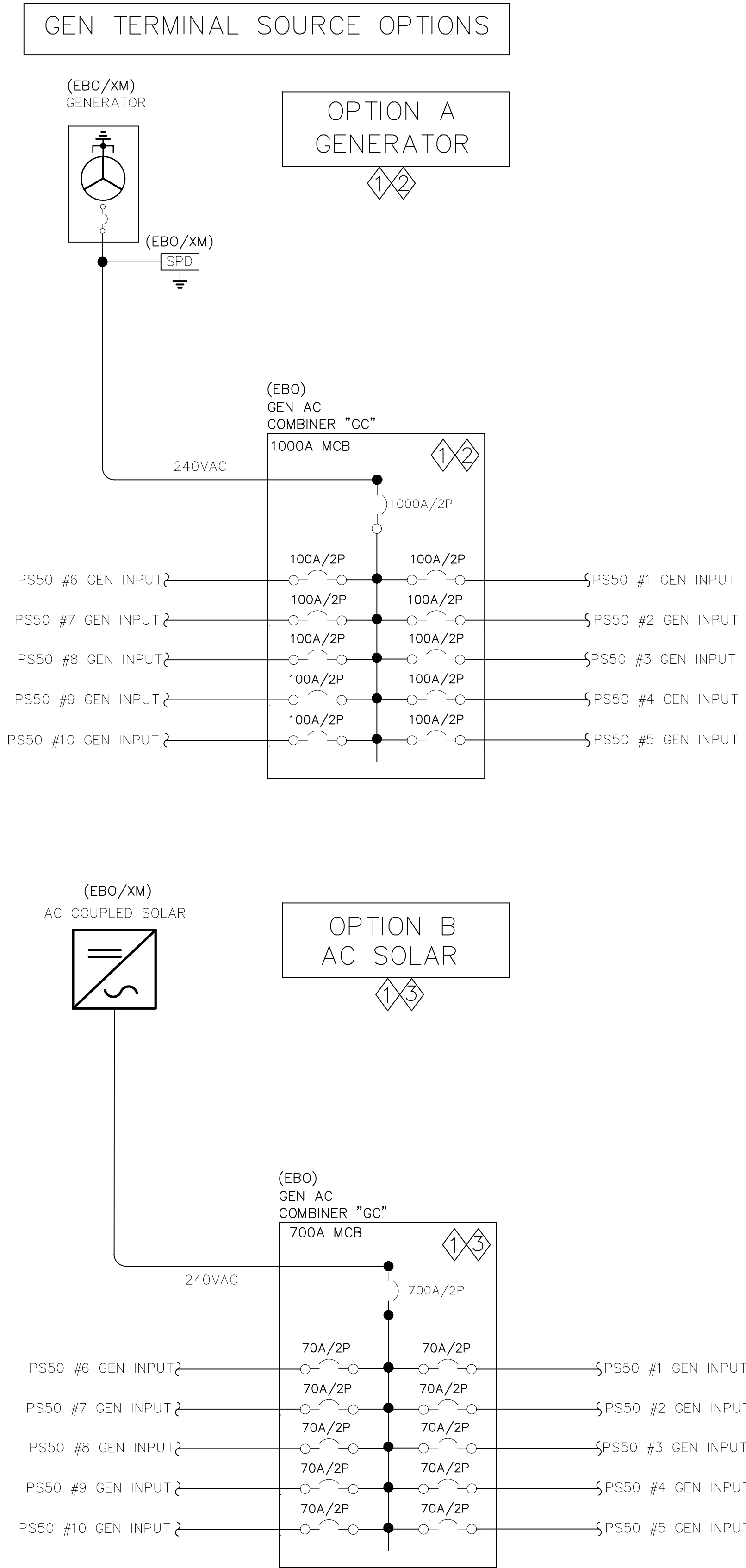


1. 250KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 125KW / 520.83A
3. QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (10) 24KW GEN INPUTS OR UP TO (10) 12.5KW AC COUPLED PV INPUTS
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / INVERTER
6. 240KW / 1000A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER 13KW / BATTERY STACK
8. DISCHARGE RATE: 12.5KW / INVERTER 25KW / BATTERY STACK

DSGN		
DRN	MAW	12-10-2025
CKD	JP	
SCALE: AS NOTED		

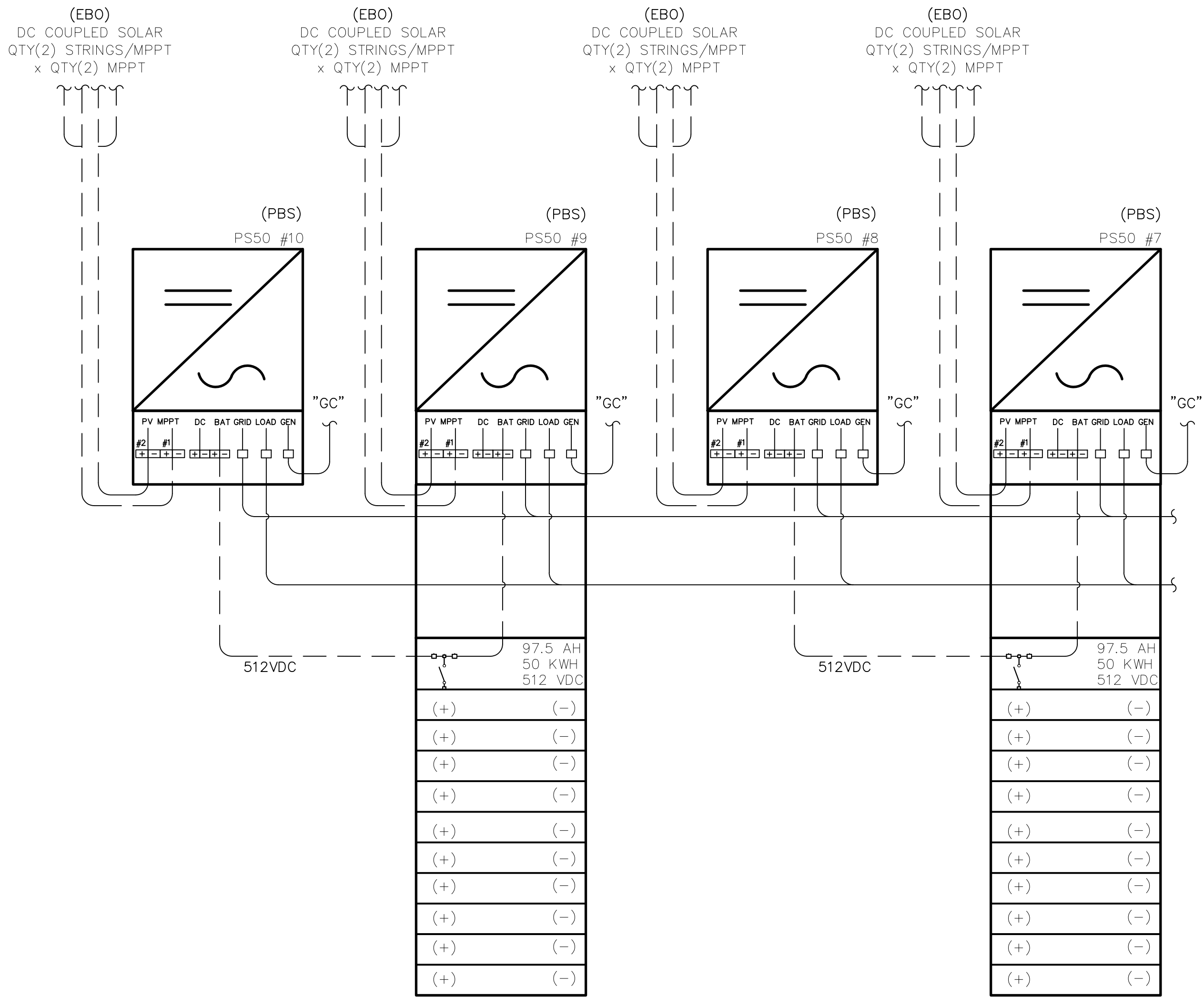
SAVANT POWER	JOB NUMBER -	REV 
RESIDENTIAL MICROGRID		
1000A: 125KW - 250KWH ESS PS50 ONLINE DIAGRAM (120/240V)	DRAWING NUMBER 009-2607-00	

PS50_GEN TO GEN_12_10_2025_V00_R00.DWG



LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

KEYNOTE DRAWING NOTES	
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.
②	QTY (1) PS50 GEN TERMINAL INPUT IS RATED UP TO 24KW PER INVERTER FOR 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.
③	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.



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) 24KW GEN INPUTS OR UP TO (10) 12.5KW AC COUPLED PV INPUTS
- 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

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		SCALE: AS NOTED						DRAWING NUMBER	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW									1000A: 125KW - 250KWH ESS PS50 ONLINE DIAGRAM (120/240V)		009-2608-00	
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD						CERTIFICATE OF REGISTRATION NO. X-0000			