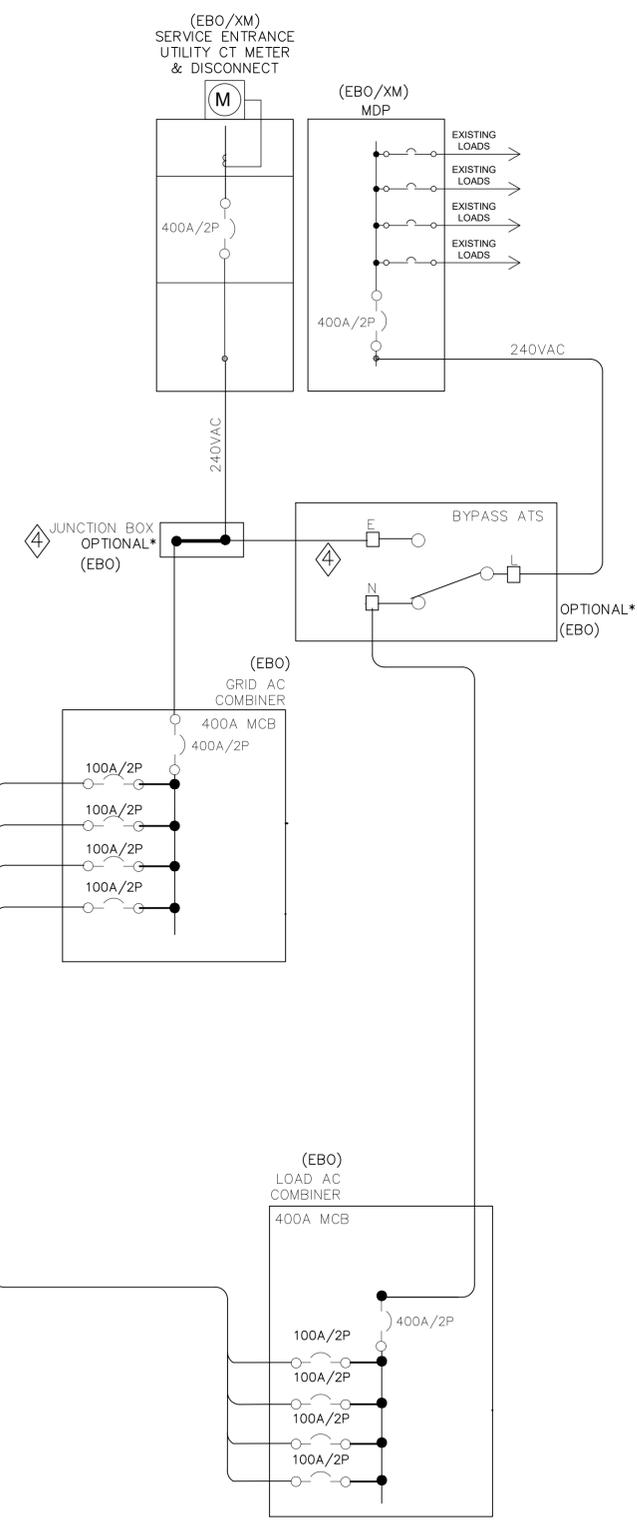
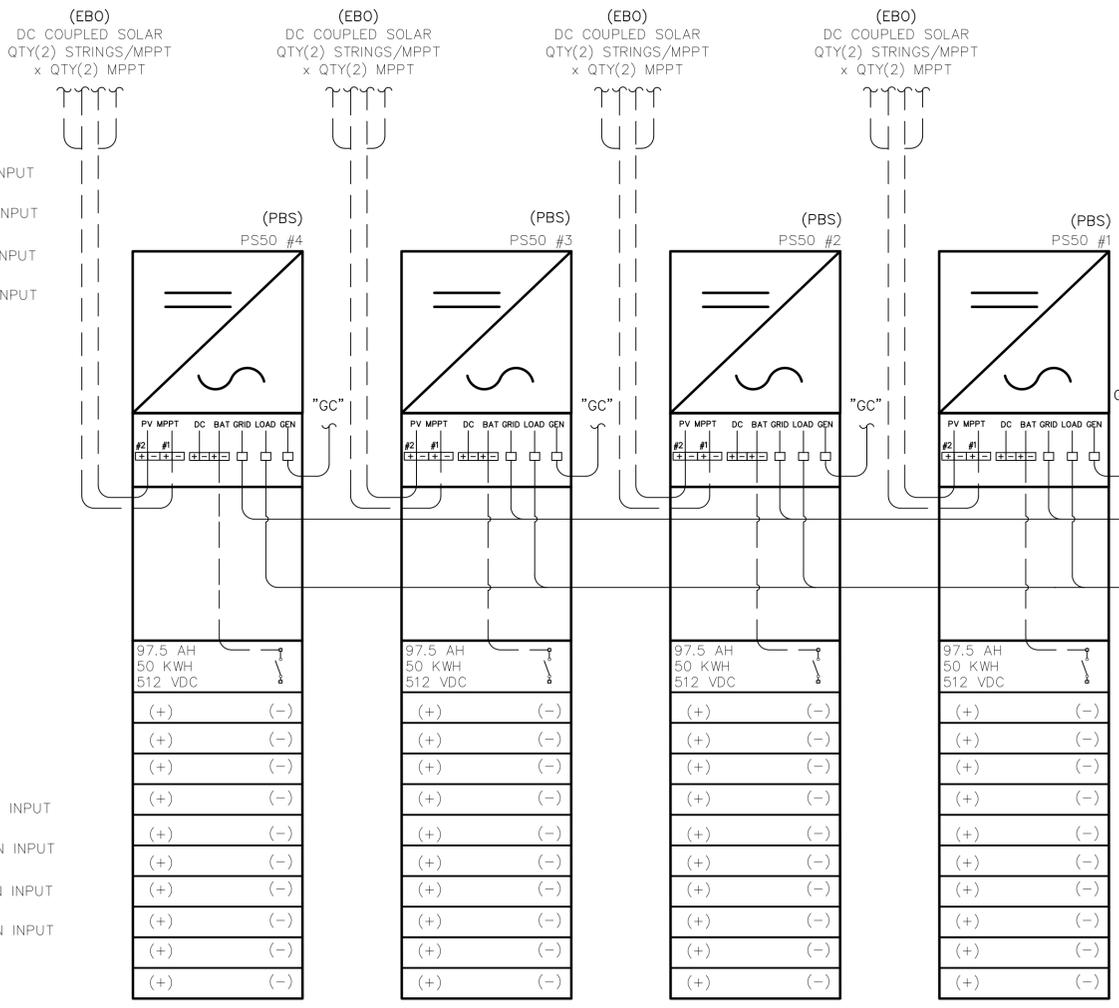
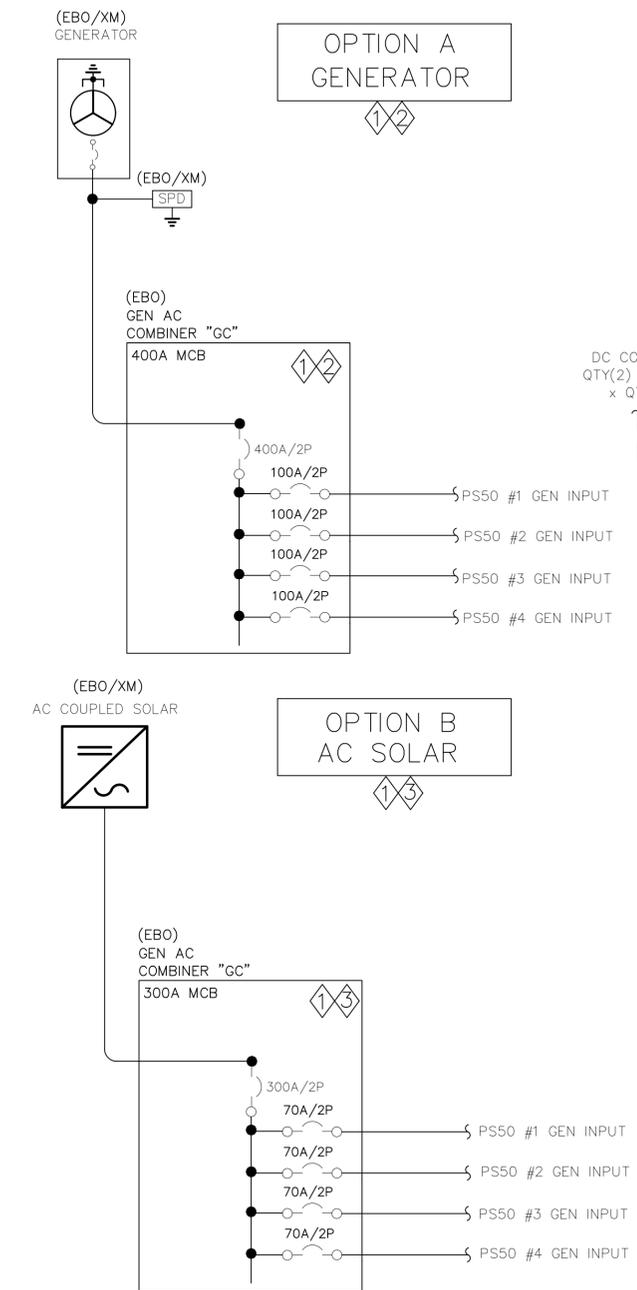


400A POWER STORAGE 50 SYSTEM NOTES

1. 200KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 50KW / 208A
3. QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (4) 24KW GEN INPUTS OR UP TO (4) 12.5KW AC COUPLED PV INPUTS
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 96KW / 400A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER

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 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.
(XM)	EQUIPMENT EXISTING TO REMAIN	③	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	④	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.
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

GEN TERMINAL SOURCE OPTIONS



PS50_GEN TO GEN_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW							REVISIONS				DESIGN			SAVANT POWER		JOB NUMBER		REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	NO	DATE	DRN	DSGN	CKD	APPD	DRN	MAW	DATE	RESIDENTIAL MICROGRID		00
	*	*	*	*	*	*	00	12-10-2025	MAW					JP	12-10-2025	400A: 50KW - 200KWH ESS PS50 ONELINE DIAGRAM (120/240V)		009-2619-00
DATE	*	*	*	*	*	*	REV											
INIT	*	*	*	*	*	*												

CERTIFICATE OF REGISTRATION NO. X-0000