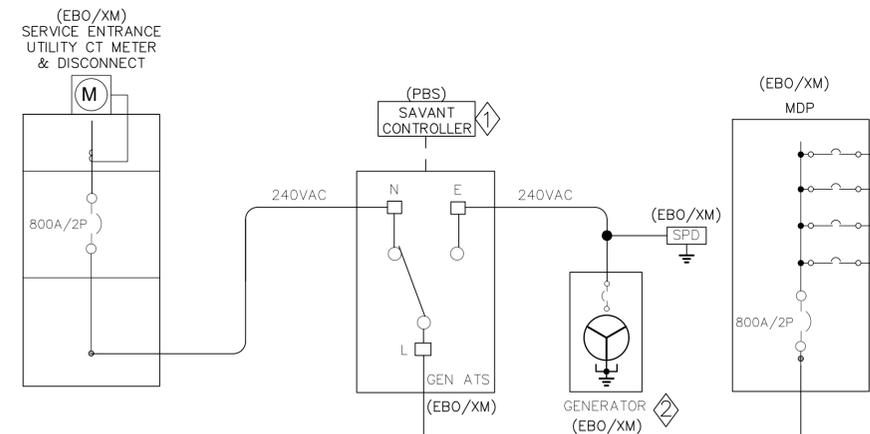
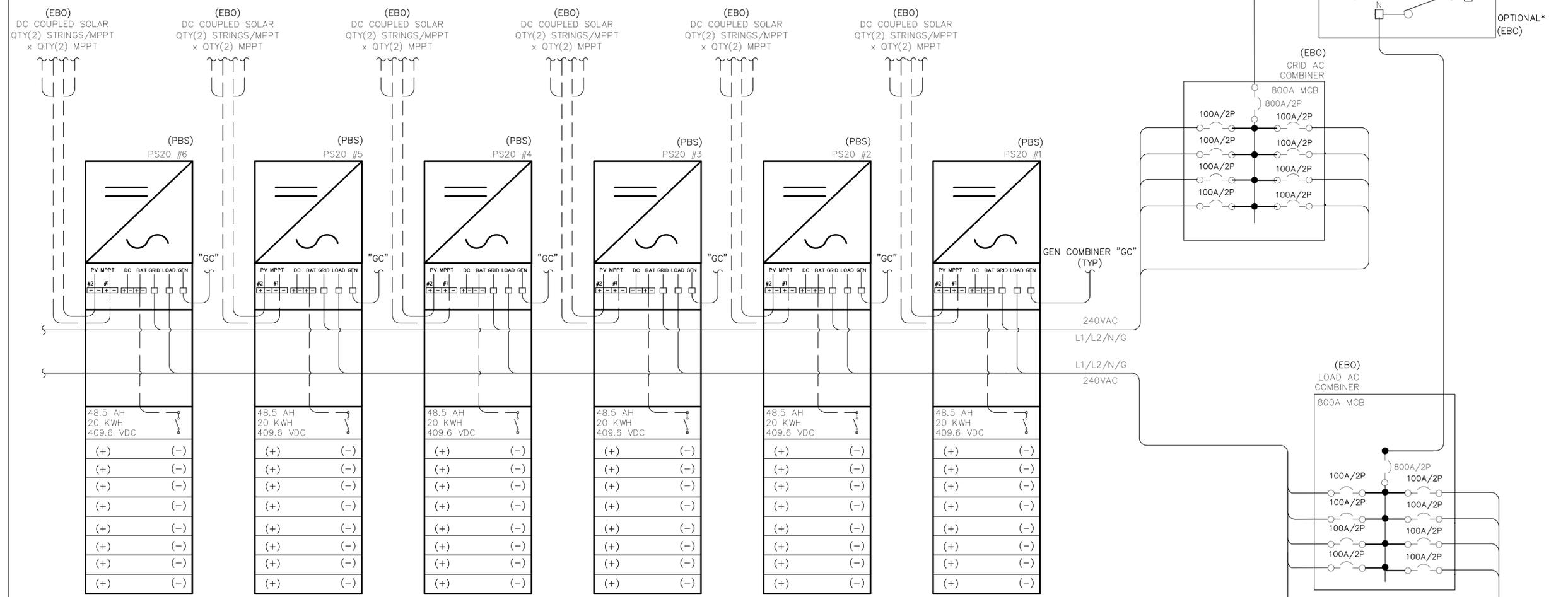




800A POWER STORAGE 20 SYSTEM NOTES

1. 160KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 100KW / 416.67A
3. QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
5. 192KW / 800A GRID PASS THROUGH
6. CHARGE RATE: 6.5KW / INVERTER
7. DISCHARGE RATE: 12.5KW / INVERTER

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	QTY (1) PS20 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.
(XM)	EQUIPMENT EXISTING TO REMAIN	③	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



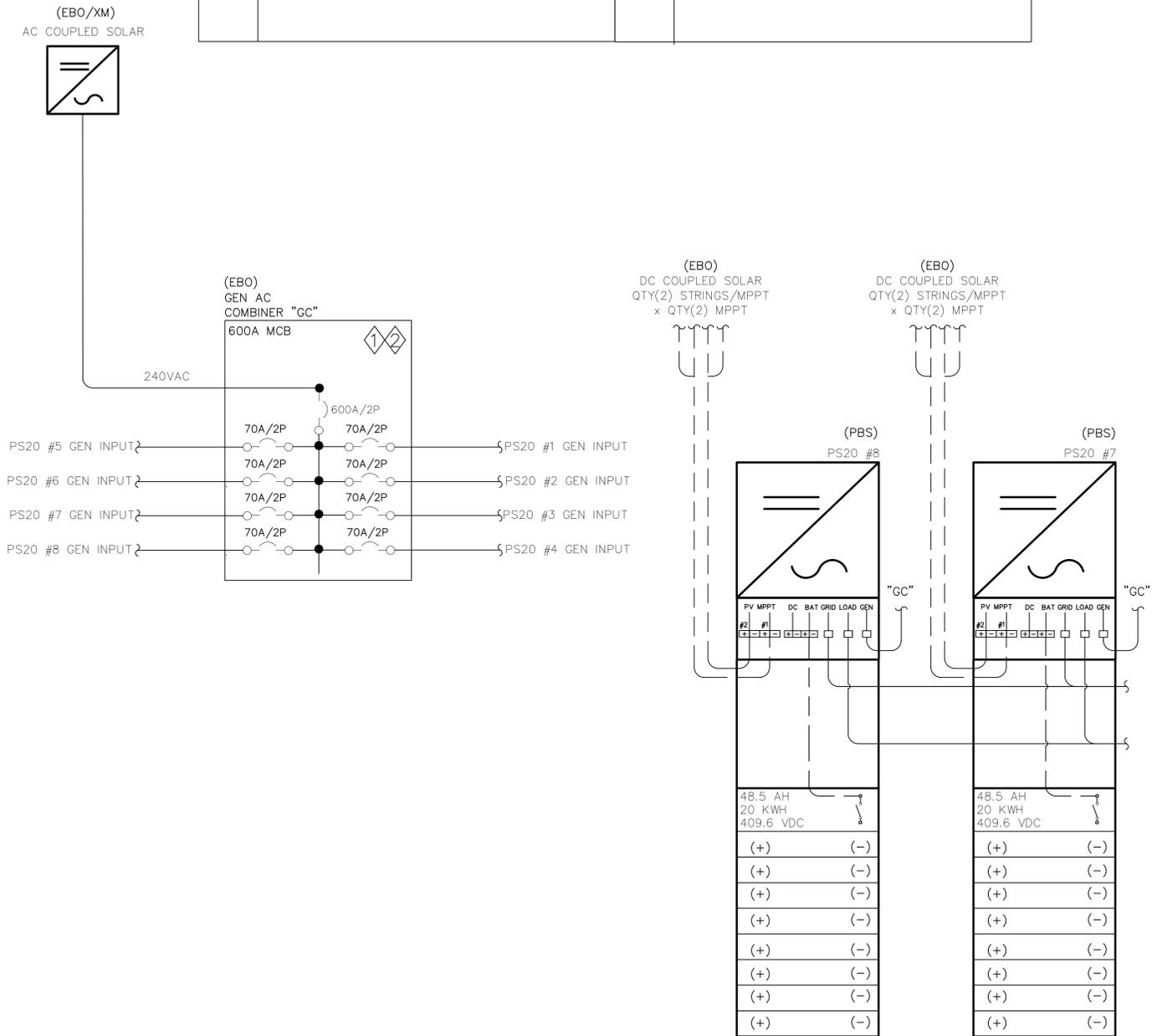
PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW							REVISIONS				DESIGN			SAVANT POWER		JOB NUMBER		REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	00	VERSION 00	12-10-2025	MAW									
DATE	*	*	*	*	*	*	REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	SCALE:	AS NOTED	DRAWING NUMBER			
INIT	*	*	*	*	*	*										009-2593-00			
														CERTIFICATE OF REGISTRATION NO. X-0000		RESIDENTIAL MICROGRID			
																800A: 100KW - 160KWH ESS PS20 ONLINE DIAGRAM (120/240V)			

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 PS20 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) PS20 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.
(XM)	EQUIPMENT EXISTING TO REMAIN		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

800A POWER STORAGE 20 SYSTEM NOTES

- 160KWH 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 / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



PS20\_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												00
DATE	*	*	*	*	*	*												
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW								
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED				
													CERTIFICATE OF REGISTRATION NO. X-0000		DRAWING NUMBER			
															009-2594-00			
															800A: 100KW - 160KWH ESS PS20 ONELINE DIAGRAM (120/240V)			