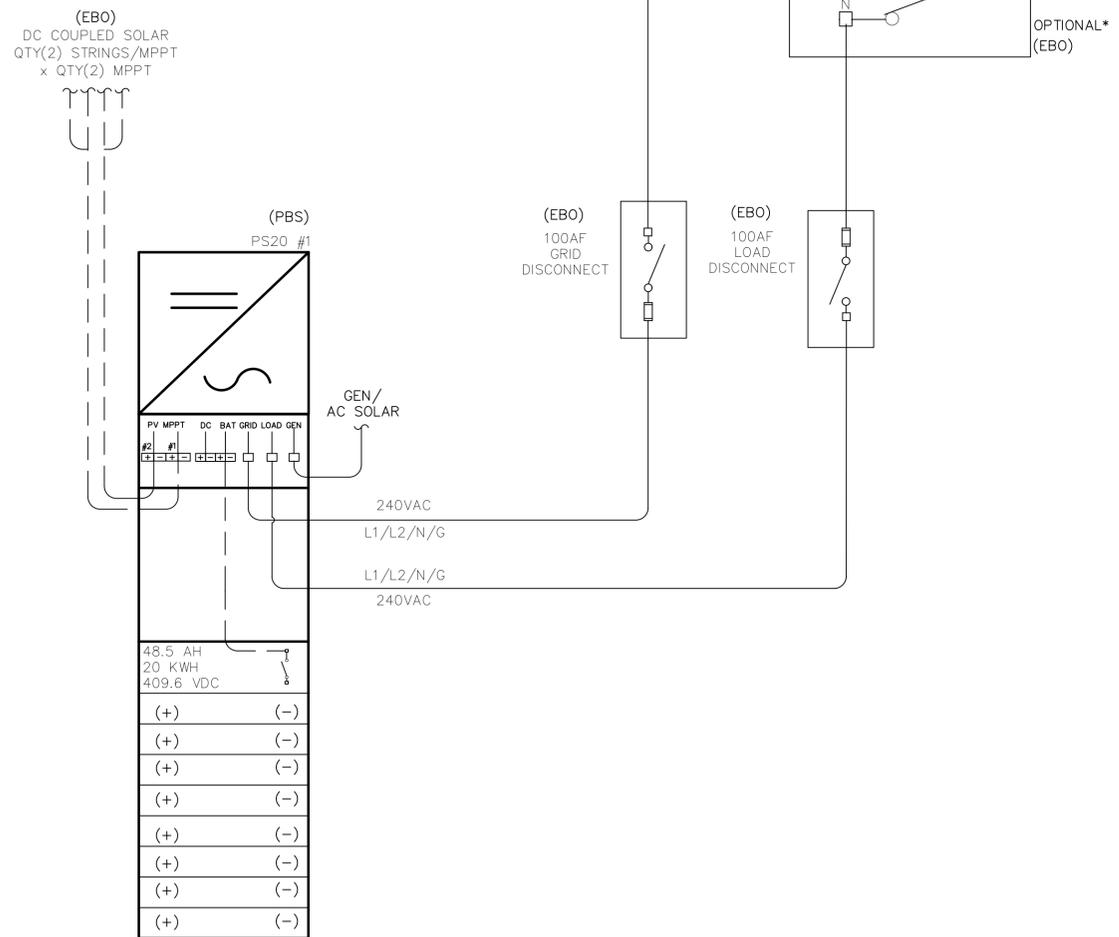
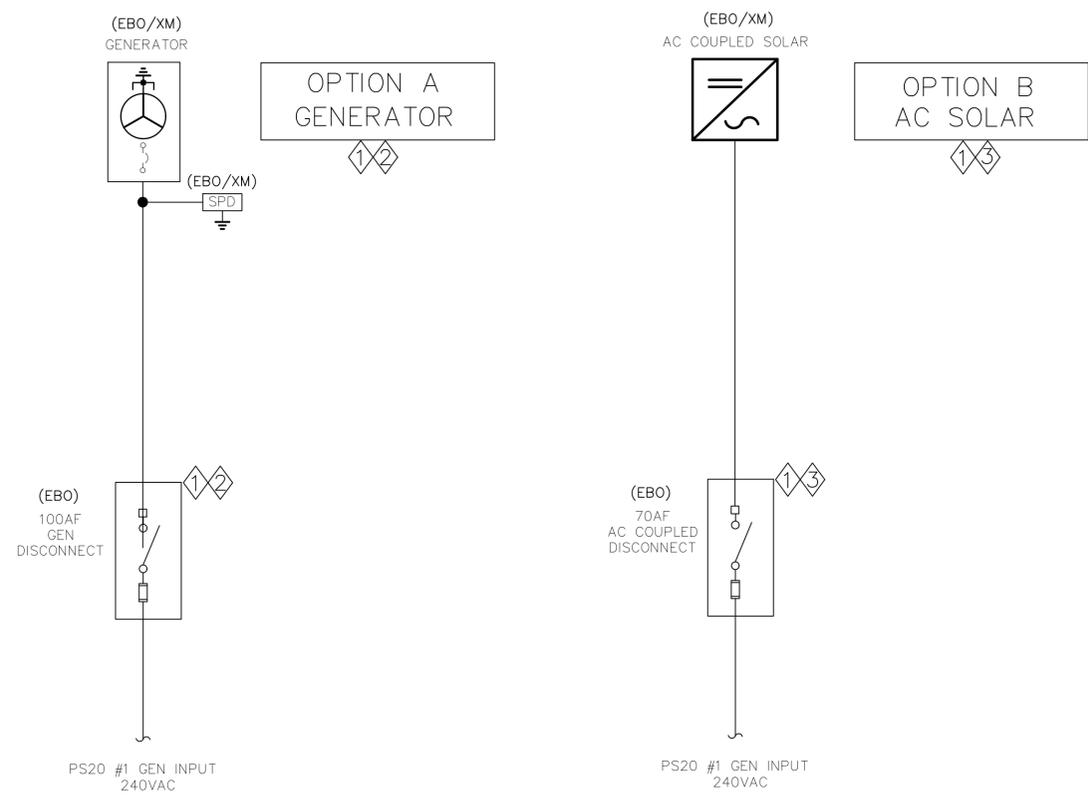


100A POWER STORAGE 20 SYSTEM NOTES

1. 20KWH RATED ENERGY STORAGE
2. 12.5KW / 52A OFFGRID CONTINUOUS
3. QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (1) 24KW GEN INPUT OR UP TO (1) 12.5KWAC COUPLED PV INPUT
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 24KW / 100A 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 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 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) 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.
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



PS20_GEN TO GEN_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		100A: 12.5KW - 20KWH ESS PS20 ONELINE DIAGRAM (120/240V)		DRAWING NUMBER	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW						009-2537-00	
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED					

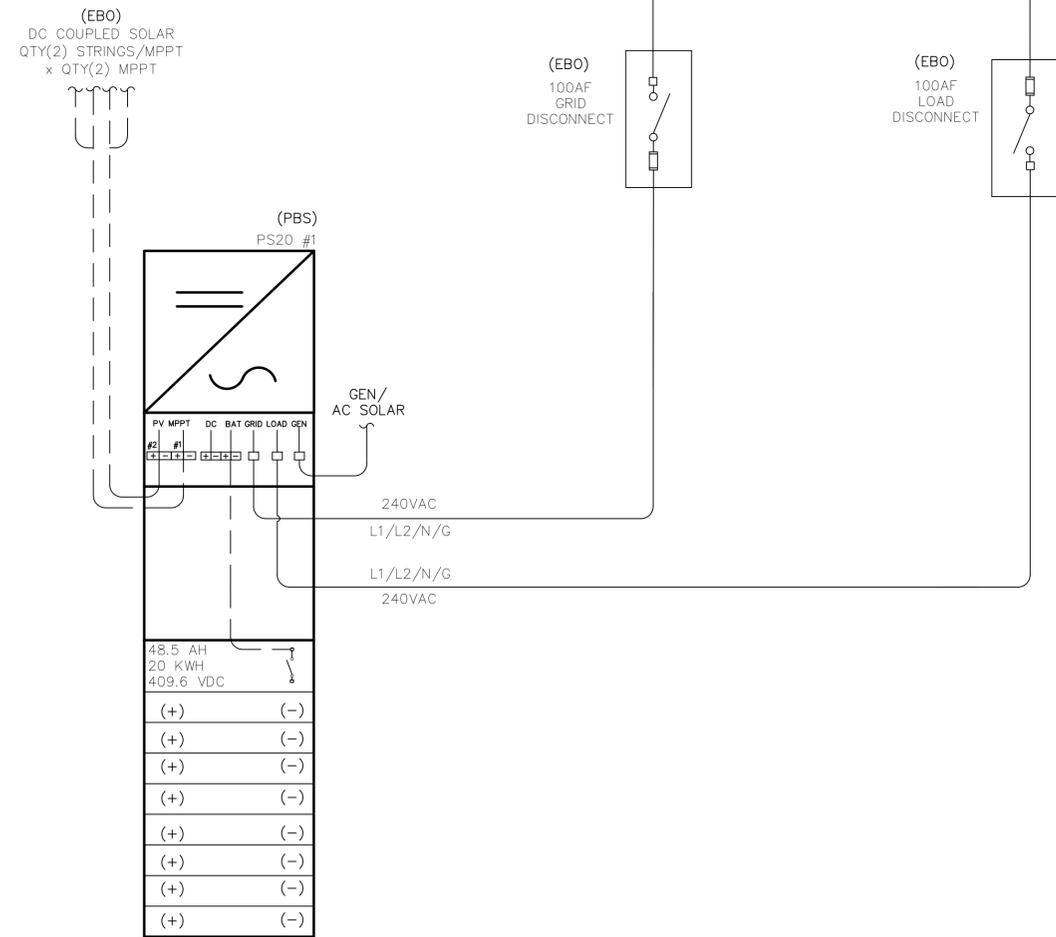
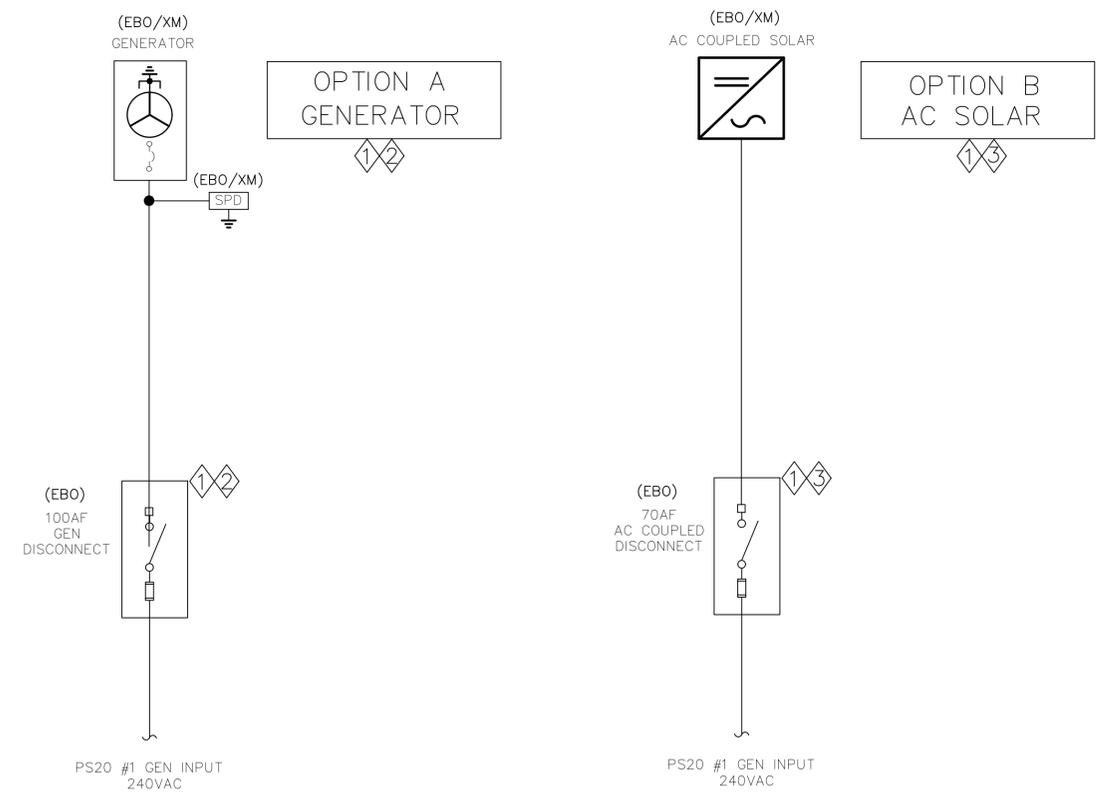
CERTIFICATE OF REGISTRATION NO. X-0000

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 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) 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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

100A POWER STORAGE 20 SYSTEM NOTES

- 20KWH RATED ENERGY STORAGE
- 12.5KW / 52A OFFGRID CONTINUOUS
- QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (1) 24KW GEN INPUT OR UP TO (1) 12.5KW AC COUPLED PV INPUT
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 24KW / 100A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

GEN TERMINAL SOURCE OPTIONS



PS20_GEN TO GEN_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												
DATE	*	*	*	*	*	*												
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW								
REV								REVISIONS	DATE	DRN	DSGN	CKD	APPD					

GEN TERMINAL SOURCE OPTIONS

(EBO/XM)
GENERATOR



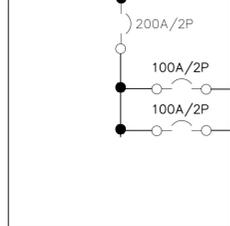
(EBO/XM)
SPD



(EBO)
GEN AC
COMBINER "GC"



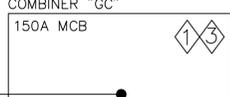
OPTION A GENERATOR



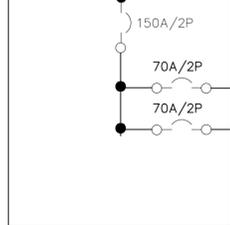
(EBO/XM)
AC COUPLED SOLAR



(EBO)
GEN AC
COMBINER "GC"



OPTION B AC SOLAR



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

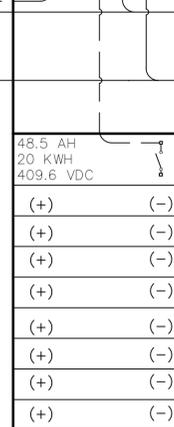
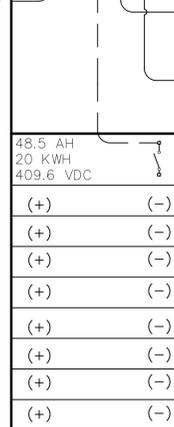
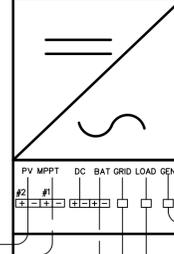
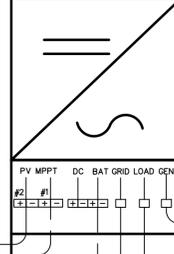
- ① OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
- ② QTY (1) PS20 GEN TERMINAL INPUT IS RATED 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) 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.

(EBO)
DC COUPLED SOLAR
QTY(2) STRINGS/MPPT
x QTY(2) MPPT

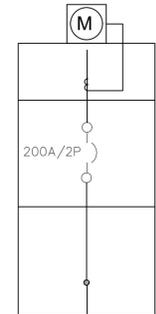
(EBO)
DC COUPLED SOLAR
QTY(2) STRINGS/MPPT
x QTY(2) MPPT

(PBS)
PS20 #2

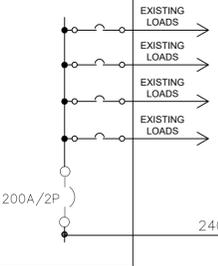
(PBS)
PS20 #1



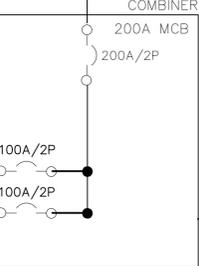
(EBO/XM)
SERVICE ENTRANCE
UTILITY CT METER
& DISCONNECT



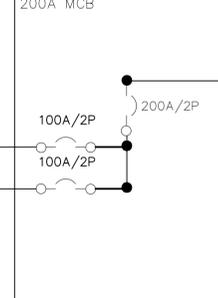
(EBO/XM)
MDP



(EBO)
GRID AC
COMBINER



LOAD AC
COMBINER



200A POWER STORAGE 20 SYSTEM NOTES

- 40KWH RATED ENERGY STORAGE
- 25KW / 104A OFFGRID CONTINUOUS
- QTY (4) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (2) 24KW GEN INPUTS OR UP TO (2) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 48KW / 200A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

PS20_GEN TO GEN_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE	*	*	*	*	*	*
INIT	*	*	*	*	*	*

00	VERSION 00	12-10-2025	MAW						
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD			

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

CERTIFICATE OF REGISTRATION NO. X-0000
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SAVANT POWER
RESIDENTIAL MICROGRID
200A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)

JOB NUMBER	REV
	00
DRAWING NUMBER	
009-2542-00	

GEN TERMINAL SOURCE OPTIONS

(EBO/XM)
GENERATOR

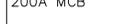


(EBO/XM)
SPD



(EBO)
GEN AC
COMBINER "GC"

200A MCB



200A/2P



100A/2P



100A/2P



OPTION A GENERATOR



PS20 #1 GEN INPUT

PS20 #2 GEN INPUT

(EBO/XM)
AC COUPLED SOLAR



(EBO)
GEN AC
COMBINER "GC"

70A MCB



70A/2P



35A/2P



35A/2P



OPTION B AC SOLAR



PS20 #1 GEN INPUT

PS20 #2 GEN INPUT

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 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.
- ② QTY (1) PS20 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) 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.

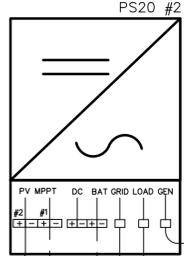
(EBO)
DC COUPLED SOLAR
QTY(2) STRINGS/MPPT
x QTY(2) MPPT



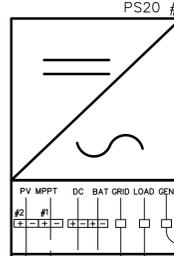
(EBO)
DC COUPLED SOLAR
QTY(2) STRINGS/MPPT
x QTY(2) MPPT



(PBS)
PS20 #2



(PBS)
PS20 #1



409.6VDC

48.5 AH
20 KWH
409.6 VDC

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(EBO/XM)
SERVICE ENTRANCE
UTILITY CT METER
& DISCONNECT



200A/2P



240VAC



240VAC



240VAC



240VAC



240VAC



240VAC



240VAC



240VAC



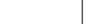
240VAC



240VAC



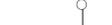
240VAC



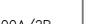
240VAC



240VAC



240VAC



240VAC



240VAC



240VAC



240VAC



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240VAC



240VAC



240VAC



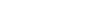
240VAC



240VAC



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240VAC



240VAC

(EBO/XM)
MDP



EXISTING LOADS



EXISTING LOADS



EXISTING LOADS



EXISTING LOADS



EXISTING LOADS



240VAC



240VAC



240VAC



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240VAC

200A POWER STORAGE 20 SYSTEM NOTES

1. 20KWH RATED ENERGY STORAGE
2. OFF GRID CONTINUOUS: 12.5KW / 52A.
3. QTY (4) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (2) 24KW GEN INPUTS OR UP TO (2) 6.25KW AC COUPLED PV INPUTS
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 48KW / 200A GRID PASS THROUGH
7. CHARGE RATE: 3.25KW / INVERTER
6.5KW / BATTERY STACK
8. DISCHARGE RATE: 6.25KW / INVERTER
12.5KW / BATTERY STACK

INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE	*	*	*	*	*	*
INIT	*	*	*	*	*	*

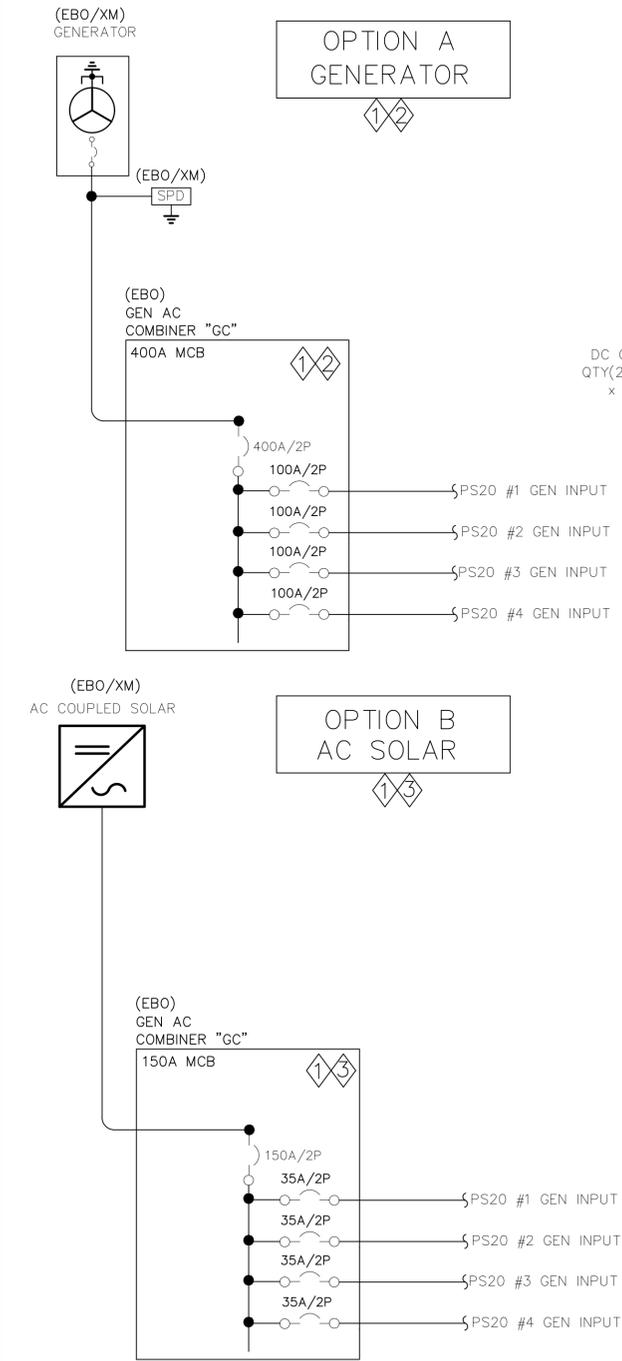
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REVISIONS		DATE	DRN	DSGN	CKD	APPD

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

SAVANT POWER		
RESIDENTIAL MICROGRID		
200A: 12.5KW - 20KWH ESS PS20 ONELINE DIAGRAM (120/240V)		
CERTIFICATE OF REGISTRATION NO. X-0000		

JOB NUMBER	REV
-	00
DRAWING NUMBER	
009-2544-00	

GEN TERMINAL SOURCE OPTIONS



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

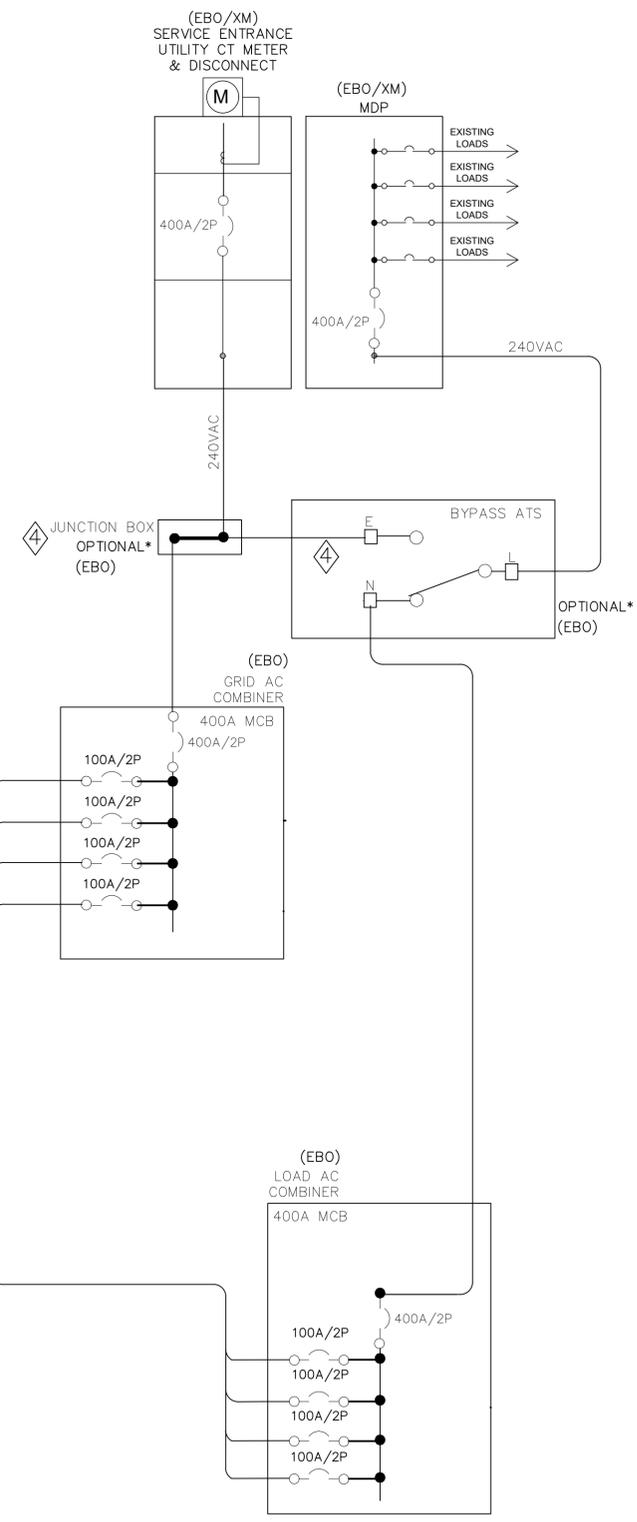
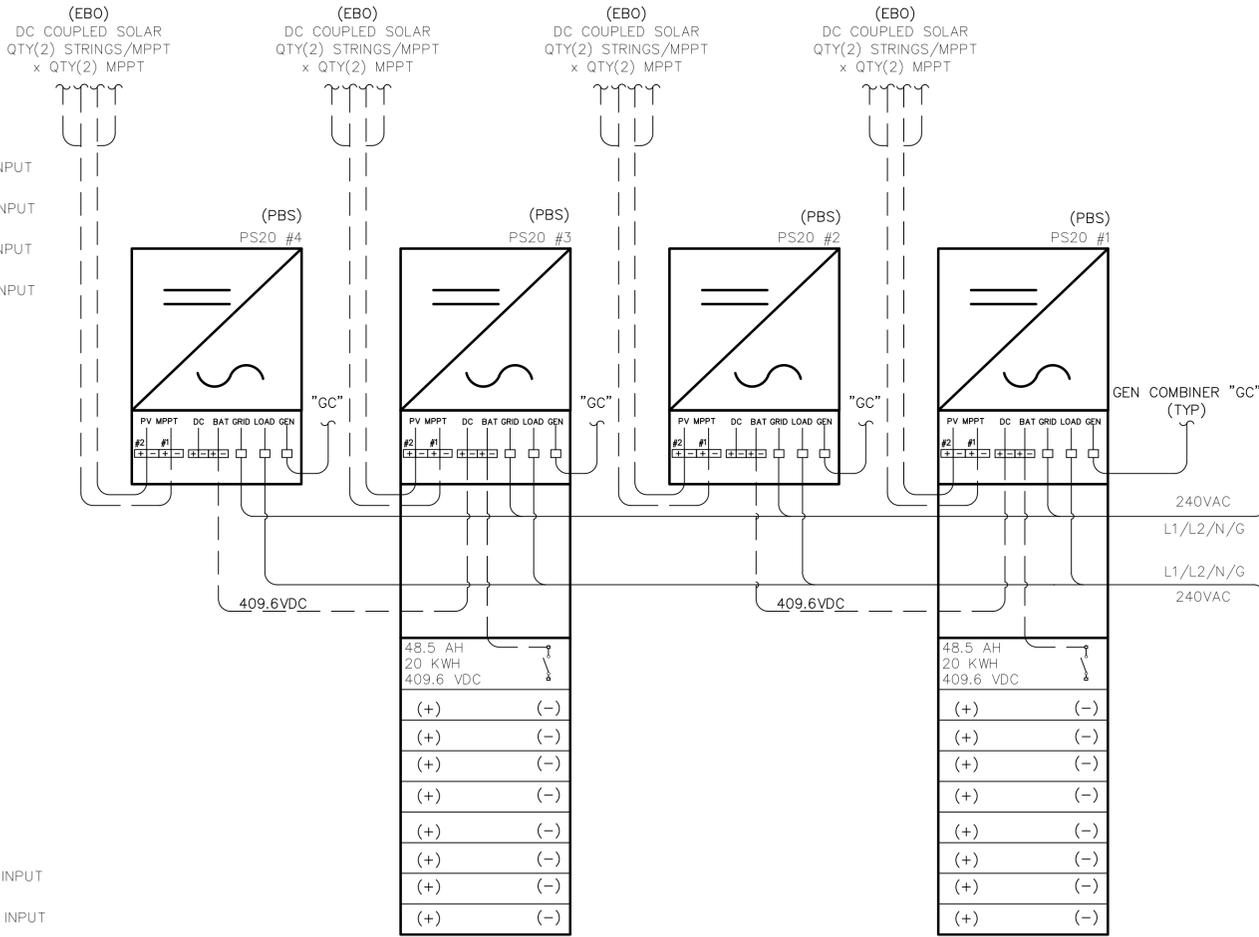
KEYNOTE DRAWING NOTES

⬠ 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.

⬠ QTY (1) PS20 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.

⬠ 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.

⬠ 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.



- 400A POWER STORAGE 20 SYSTEM NOTES**
- 40KWH RATED ENERGY STORAGE
 - OFFGRID CONTINUOUS: 25KW / 104A
 - QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
 - QTY (4) 24KW GEN INPUTS OR UP TO (4) 6.25KW AC COUPLED PV INPUTS
 - MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
 - 96KW / 400A GRID PASS THROUGH
 - CHARGE RATE: 3.25KW / INVERTER 6.5KW / BATTERY STACK
 - DISCHARGE RATE: 6.25KW / INVERTER 12.5KW / BATTERY STACK

PS20_GEN TO GEN_12_10_2025_V00_R00.DWG

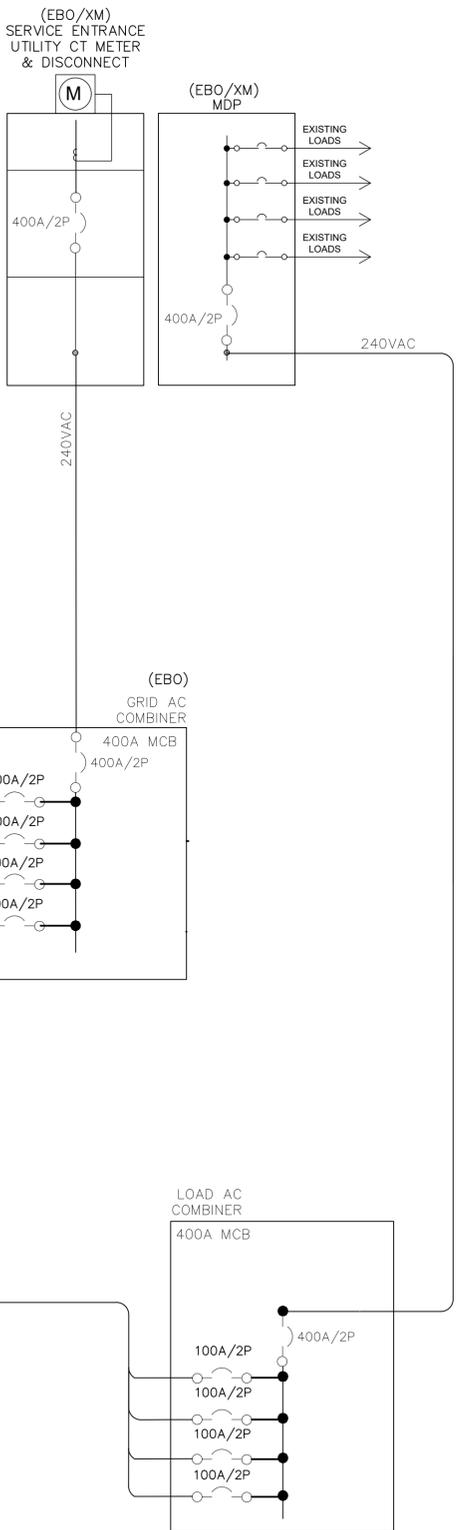
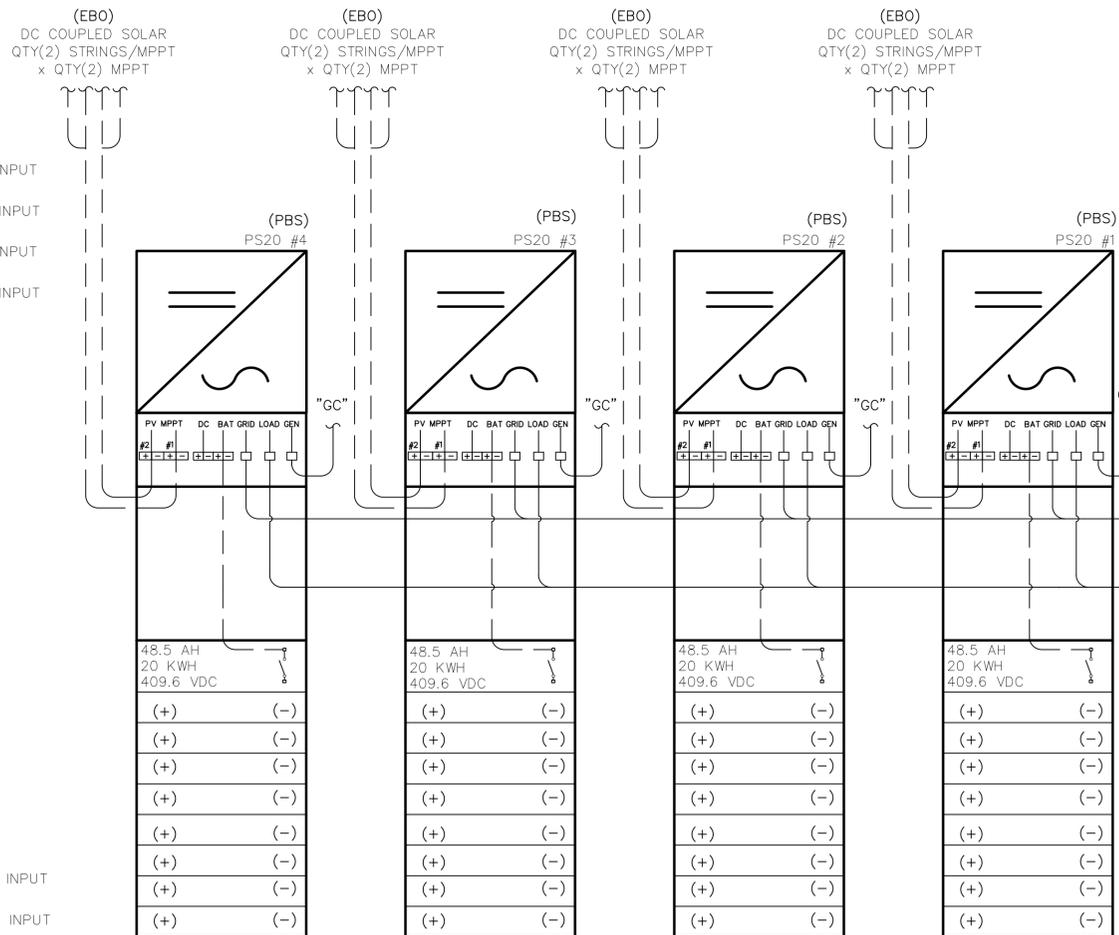
INTER-DISCIPLINE REVIEW							REVISIONS					DSGN			SCALE:	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	REV	VERSION	DATE	DRN	DSGN	CKD	APPD	MAW	JP	AS NOTED
	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW						

SAVANT POWER		JOB NUMBER	REV
RESIDENTIAL MICROGRID			00
400A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)		DRAWING NUMBER	009-2547-00
CERTIFICATE OF REGISTRATION NO. X-0000			

GEN TERMINAL SOURCE OPTIONS



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 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	◇	QTY (1) PS20 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	◇	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



400A POWER STORAGE 20 SYSTEM NOTES

- 80KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 50KW / 208A
- QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (4) 24KW GEN INPUTS OR UP TO (4) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 96KW / 400A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

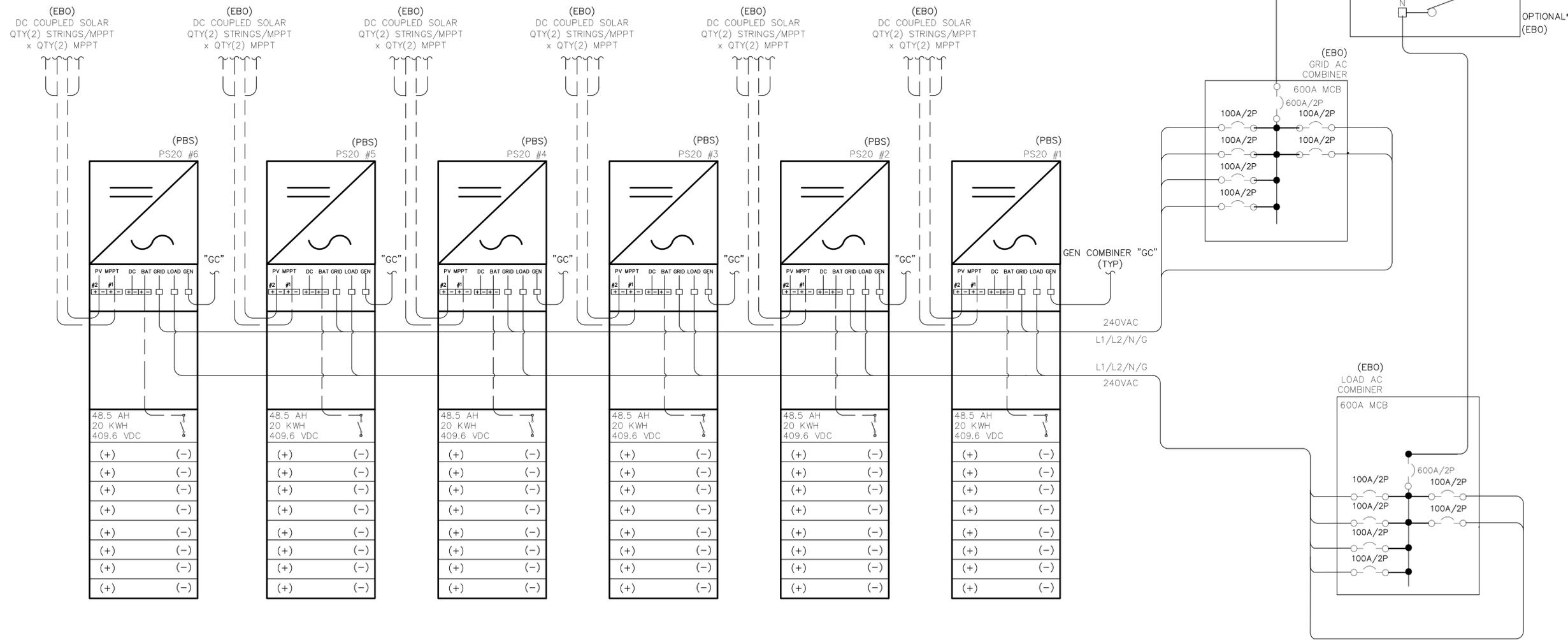
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INTER-DISCIPLINE REVIEW											DSGN			SAVANT POWER		JOB NUMBER	REV		
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			△	
DATE	*	*	*	*	*	*						CKD	JP		DRAWING NUMBER				
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			400A: 50KW - 80KWH ESS		009-2546-00		
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000						PS20 ONELINE DIAGRAM (120/240V)	

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⚡	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.
(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		

600A POWER STORAGE 20 SYSTEM NOTES

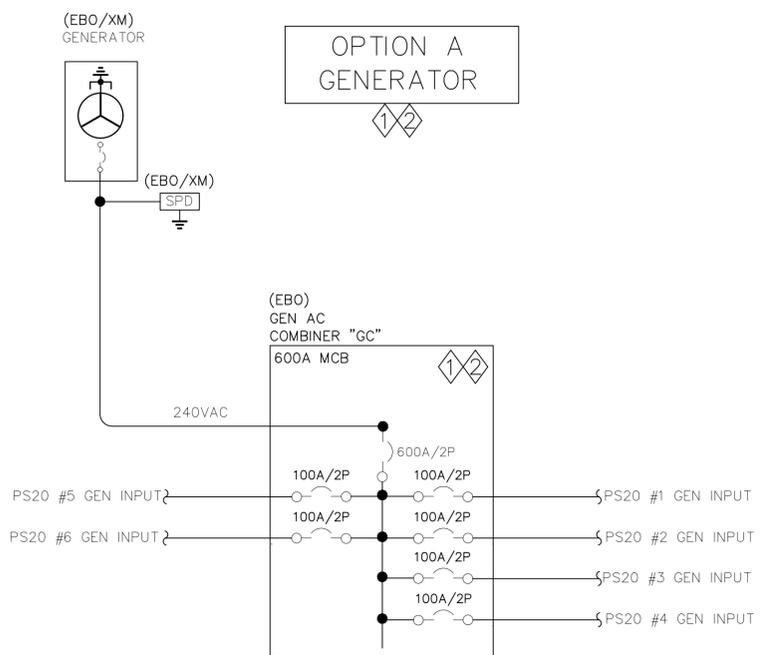
- 120KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 75KW / 312.5A
- QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (6) 24KW GEN INPUTS OR UP TO (6) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 144KW / 600A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



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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			600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2549-00	
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000						

GEN TERMINAL SOURCE OPTIONS

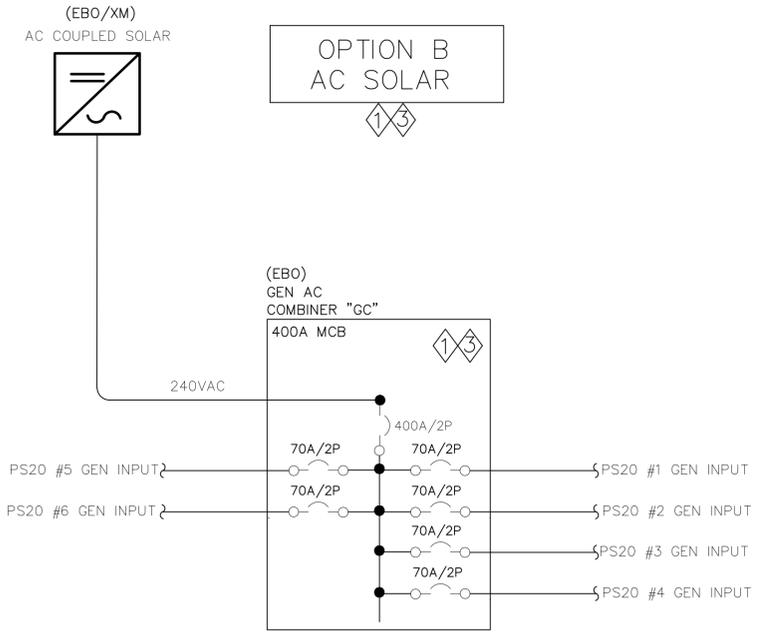


LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

KEYNOTE DRAWING NOTES	
①	OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS 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.
②	QTY (1) PS20 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) 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.

600A POWER STORAGE 20 SYSTEM NOTES

1. 120KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 75KW / 312.5A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 24KW GEN INPUTS OR UP TO (6) 12.5KW AC COUPLED PV INPUTS
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 144KW / 600A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER



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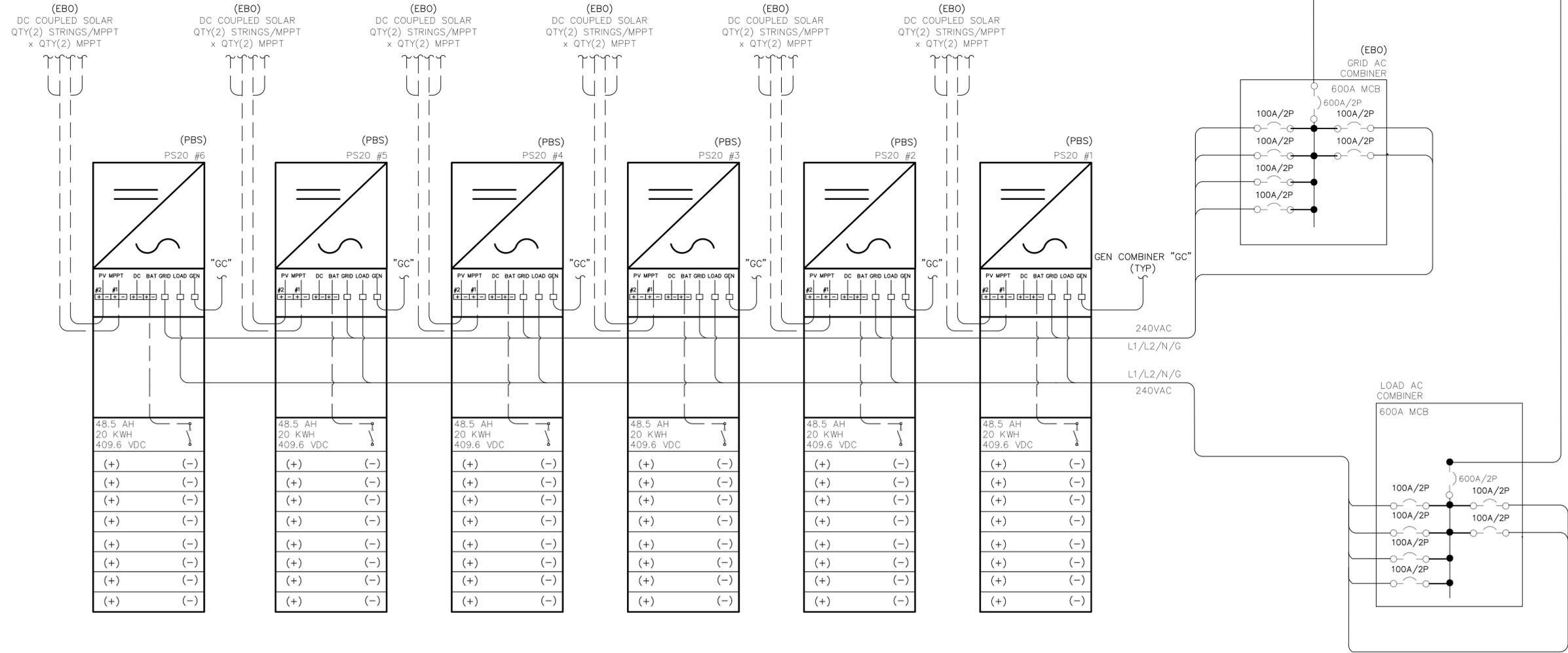
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DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	CKD	JP	RESIDENTIAL MICROGRID	-	△
DATE	*	*	*	*	*	*											
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW				SCALE: AS NOTED	600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	009-2550-00
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD				

CERTIFICATE OF REGISTRATION NO. X-0000

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

600A POWER STORAGE 20 SYSTEM NOTES

- 120KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 75KW / 312.5A
- QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (6) 24KW GEN INPUTS OR UP TO (6) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 144KW / 600A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

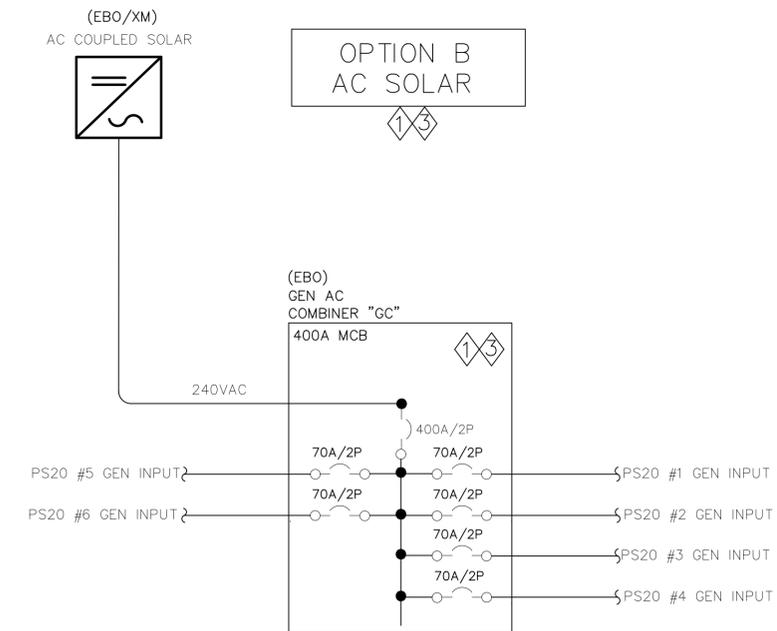
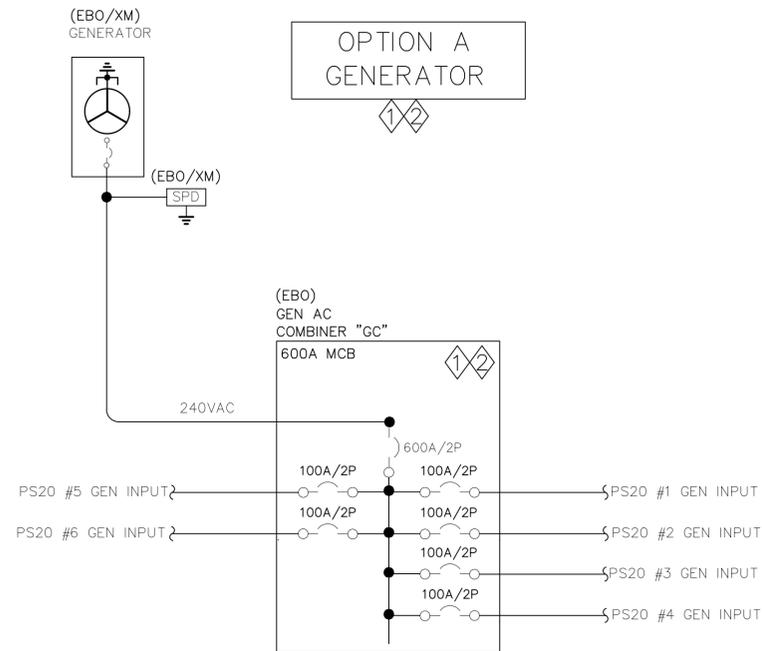


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INTER-DISCIPLINE REVIEW											DSGN	MAW	12-10-2025	SAVANT POWER	JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT					DRN	JP	RESIDENTIAL MICROGRID			00
DATE	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	009-2551-00	
INIT	*	*	*	*	*	*	REV	REVISIONS	DATE	DRN	DSGN	CKD				

CERTIFICATE OF REGISTRATION NO. X-0000

GEN TERMINAL SOURCE OPTIONS



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 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.
2	QTY (1) PS20 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) 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.

600A POWER STORAGE 20 SYSTEM NOTES

- 120KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 75KW / 312.5A
- QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (6) 24KW GEN INPUTS OR UP TO (6) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 144KW / 600A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

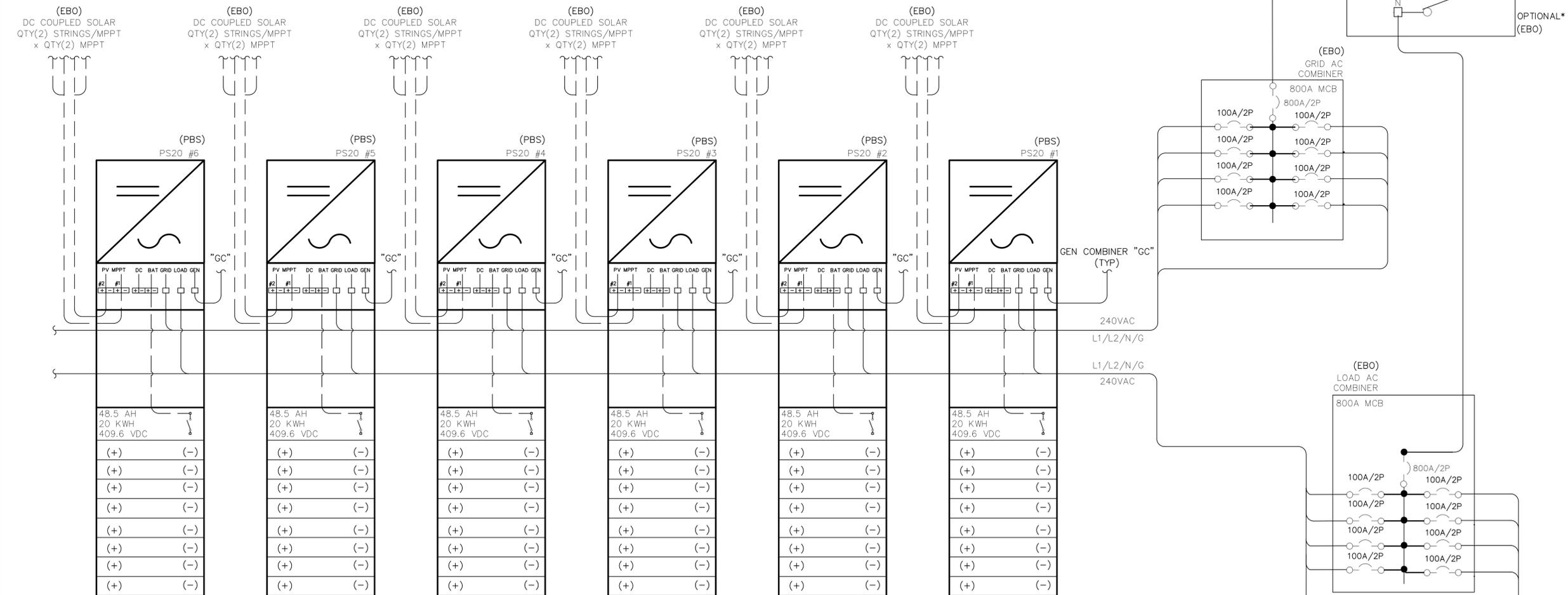
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INTER-DISCIPLINE REVIEW												DSGN			SAVANT POWER		JOB NUMBER	REV	
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DATE	*	*	*	*	*	*						CKD	JP						
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							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD						
															CERTIFICATE OF REGISTRATION NO. X-0000		DRAWING NUMBER		
																	009-2552-00		
																	600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)		

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⚠	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.
(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		

800A POWER STORAGE 20 SYSTEM NOTES

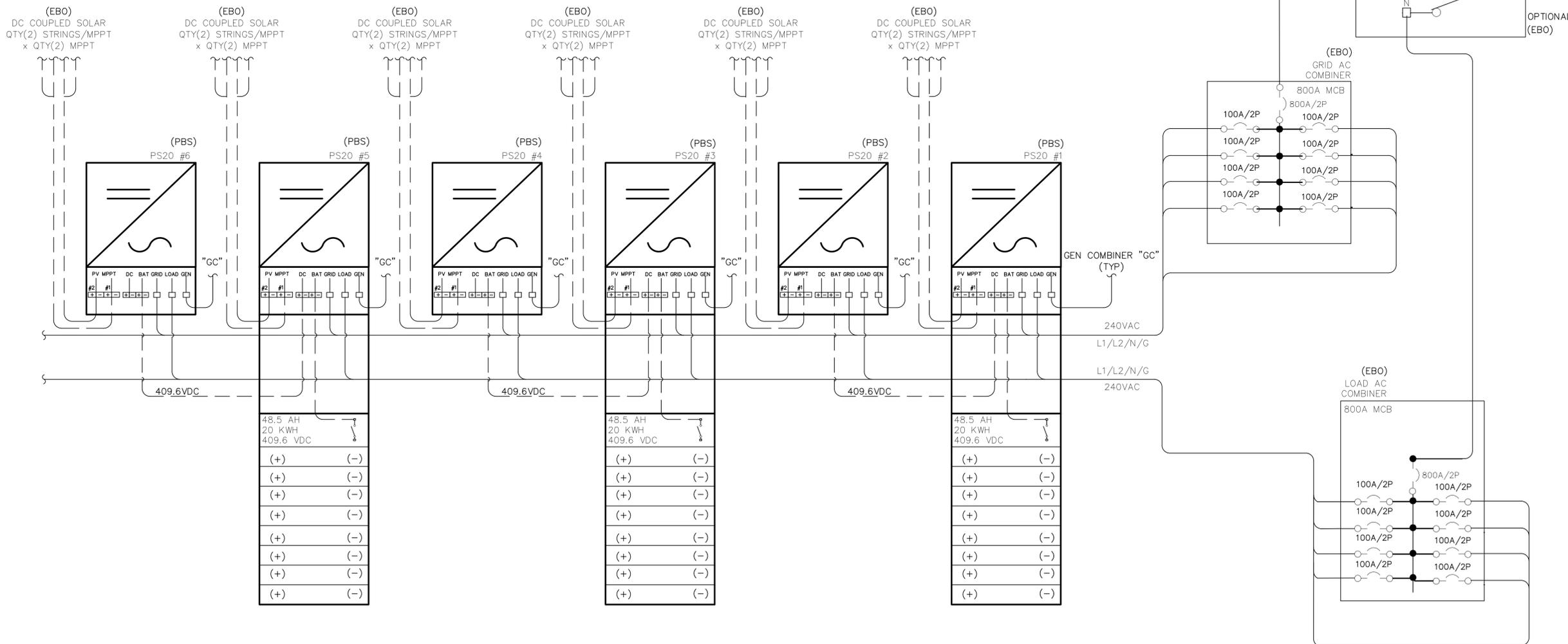
- 160KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 100KW / 416.67A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 24KW GEN INPUTS OR UP TO (8) 12.5KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



PS20_GEN TO GEN_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER			JOB NUMBER		REV				
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT																				
DATE	*	*	*	*	*	*																				
INIT	*	*	*	*	*	*																				
REV	00	VERSION 00						12-10-2025	MAW																	
		REVISIONS						DATE	DRN	DSGN	CKD	APPD														
												SCALE:	AS NOTED						DRAWING NUMBER		009-2557-00					
												CERTIFICATE OF REGISTRATION NO. X-0000			800A: 100KW - 160KWH ESS PS20 ONELINE DIAGRAM (120/240V)											

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⚠	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.
(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		



800A POWER STORAGE 20 SYSTEM NOTES

- 80KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 50KW / 208.3A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 24KW GEN INPUTS OR UP TO (8) 6.25KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER 6.5KW / BATTERY STACK
- DISCHARGE RATE: 6.25KW / INVERTER 12.5KW / BATTERY STACK

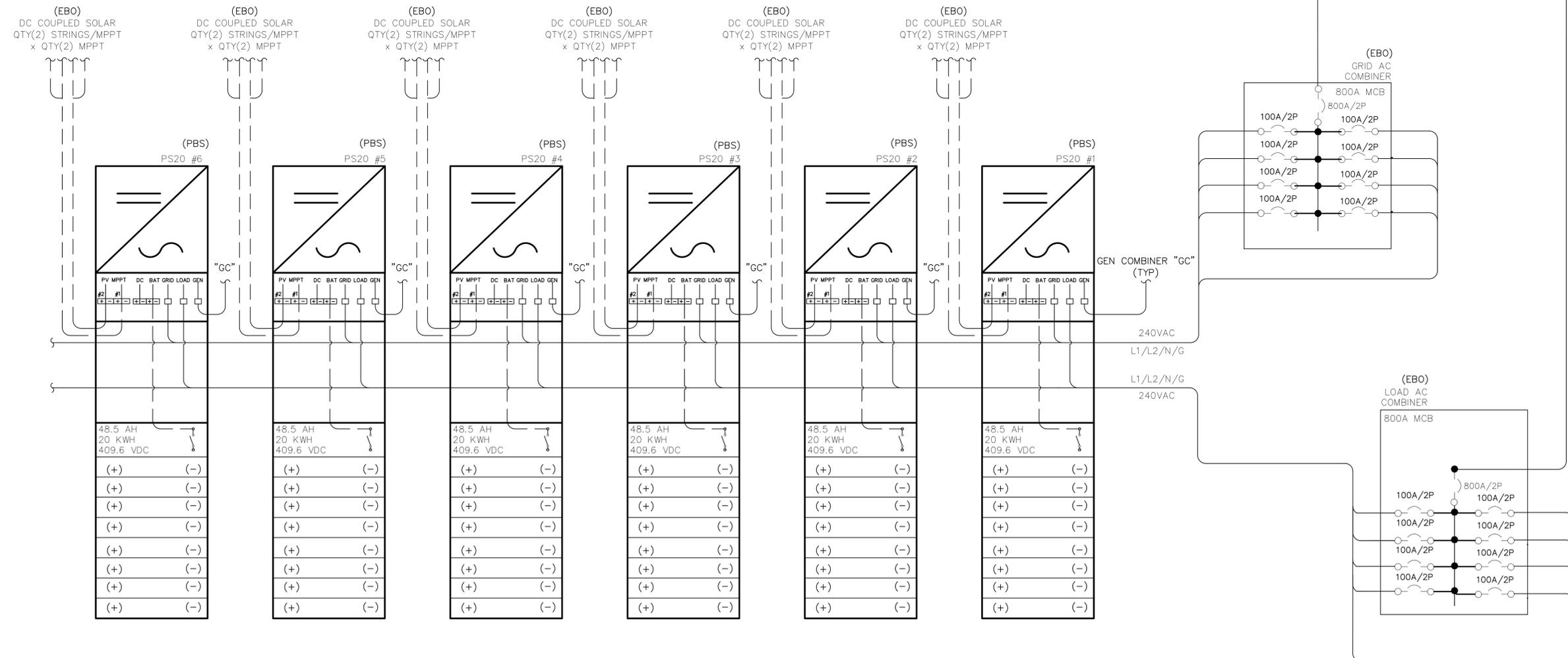
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INTER-DISCIPLINE REVIEW												DSGN			SAVANT POWER		JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT												
DATE	*	*	*	*	*	*												
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REV	00	VERSION 00		12-10-2025	MAW													
		REVISIONS		DATE	DRN	DSGN	CKD	APPD										
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												CERTIFICATE OF REGISTRATION NO. X-0000						
														DRAWING NUMBER				
														009-2561-00				
														RESIDENTIAL MICROGRID				
														800A: 50KW - 80KWH ESS PS20 ONELINE DIAGRAM (120/240V)				

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

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) 24KW GEN INPUTS OR UP TO (8) 12.5KW AC COUPLED PV INPUTS
- 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 GEN_12_10_2025_V00_R00.DWG

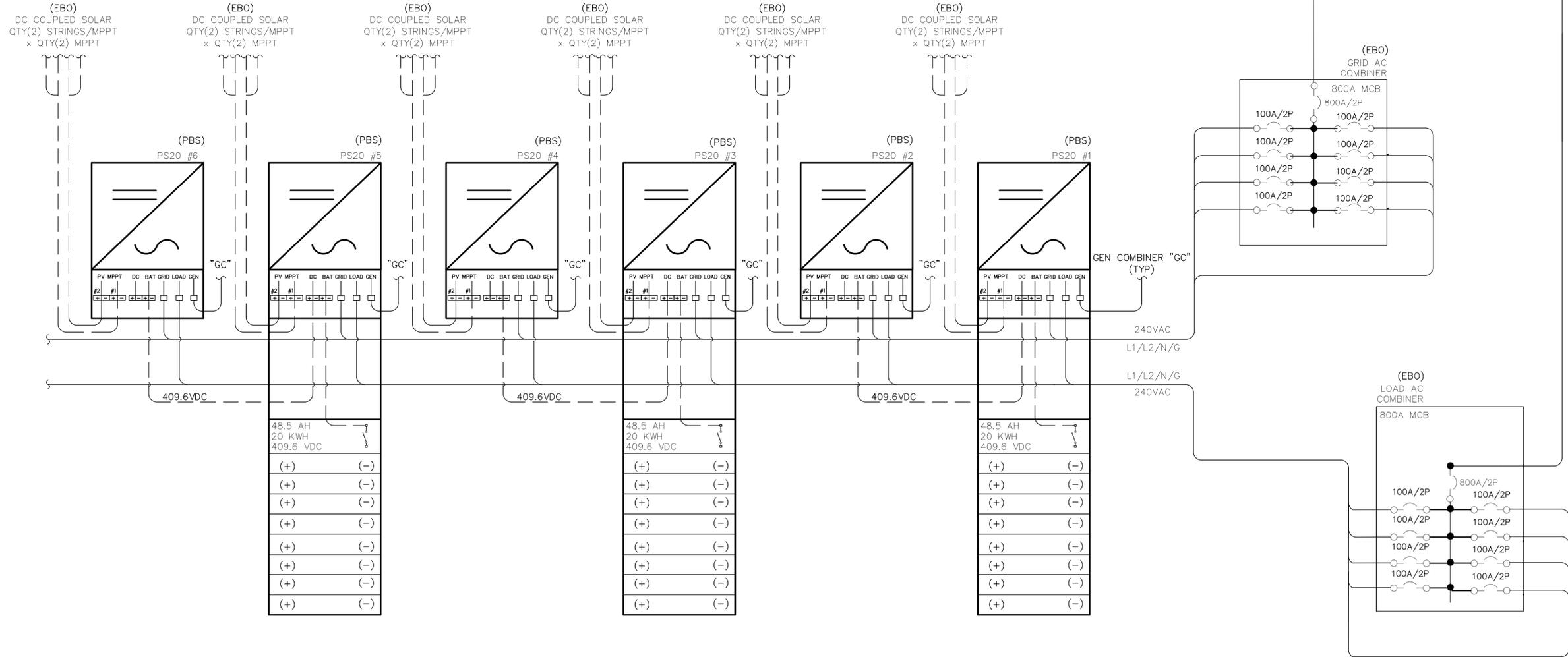
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DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT							RESIDENTIAL MICROGRID			00	
DATE	*	*	*	*	*	*											
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			800A: 100KW - 160KWH ESS PS20 ONELINE DIAGRAM (120/240V)			DRAWING NUMBER	009-2559-00
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD				

CERTIFICATE OF REGISTRATION NO. X-0000

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

800A POWER STORAGE 20 SYSTEM NOTES

- 80KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 50KW / 208.3A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 24KW GEN INPUTS OR UP TO (8) 6.25KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER
6.5KW / BATTERY STACK
- DISCHARGE RATE: 6.25KW / INVERTER
12.5KW / BATTERY STACK

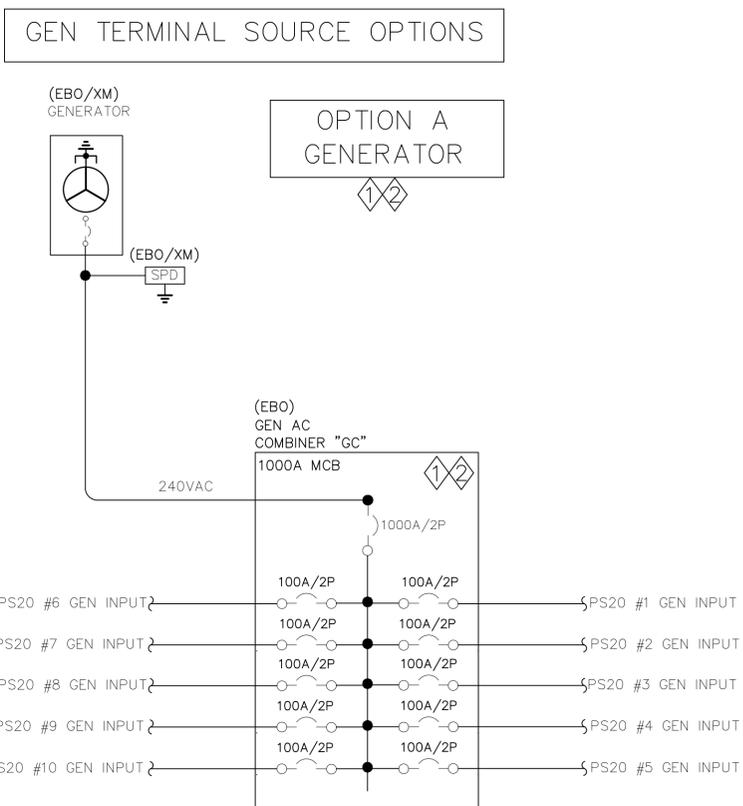


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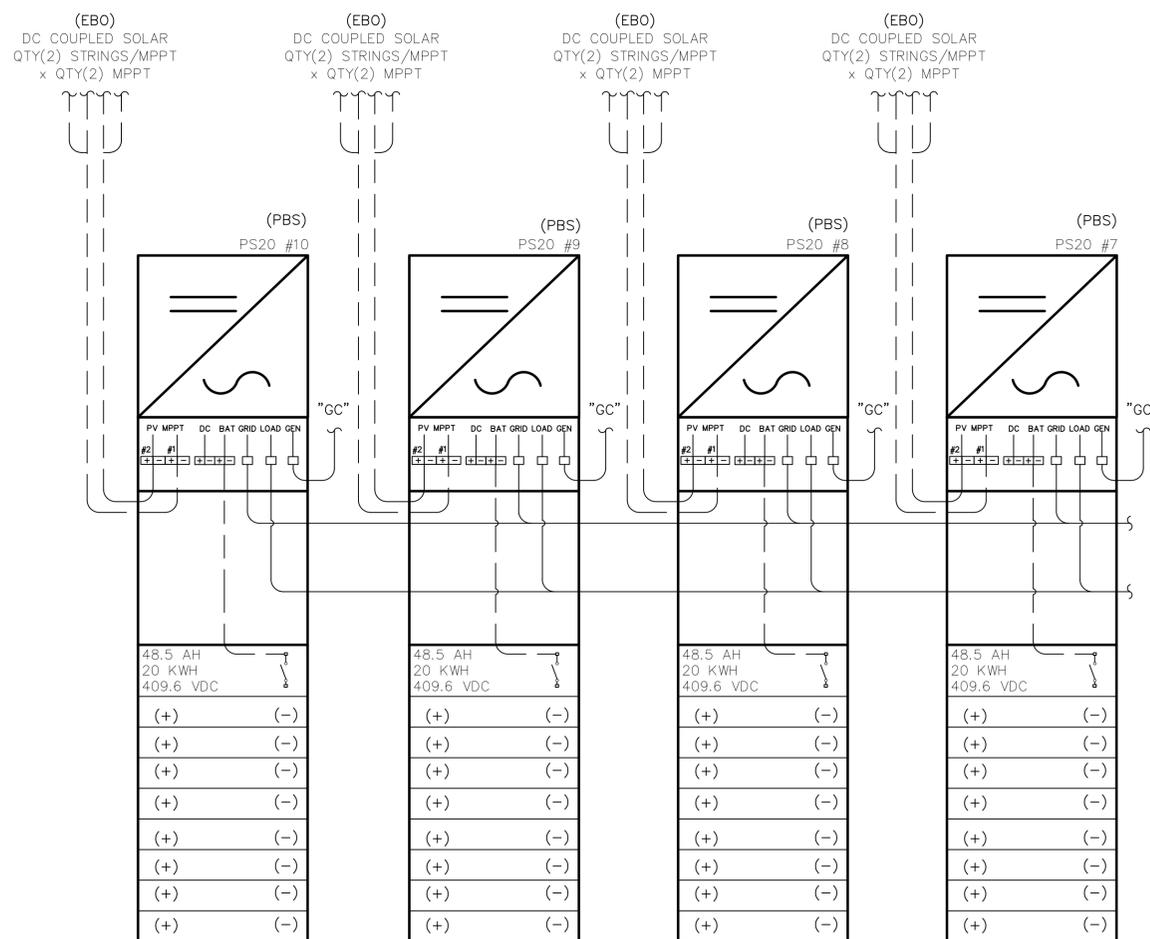
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DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			DRAWING NUMBER		00
DATE	*	*	*	*	*	*						CKD	JP		800A: 50KW - 80KWH ESS			009-2563-00		
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			PS20 ONELINE DIAGRAM (120/240V)					
REV	REVISIONS								DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000						

1000A POWER STORAGE 20 SYSTEM NOTES

- 200KWH 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 / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- 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 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 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) 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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

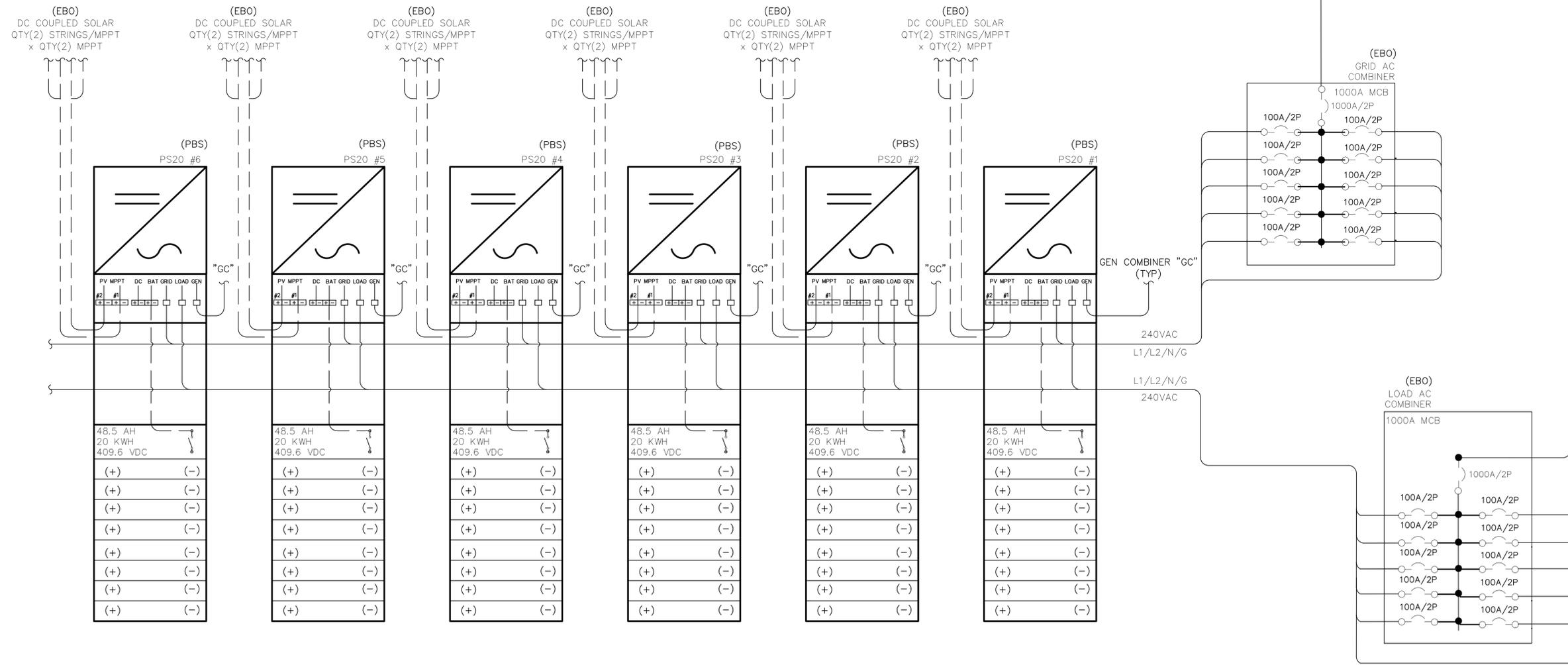


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INTER-DISCIPLINE REVIEW							DSGN				SAVANT POWER		JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		-	00	
DATE	*	*	*	*	*	*	CKD	JP	SCALE: AS NOTED		DRAWING NUMBER		009-2530-00	
INIT	*	*	*	*	*	*	REV	00	VERSION 00	12-10-2025	MAW	1000A: 125KW - 200KWH ESS PS20 ONELINE DIAGRAM (120/240V)		
							REVISIONS	DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000	

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



1000A POWER STORAGE 20 SYSTEM NOTES

- 200KWH 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 / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

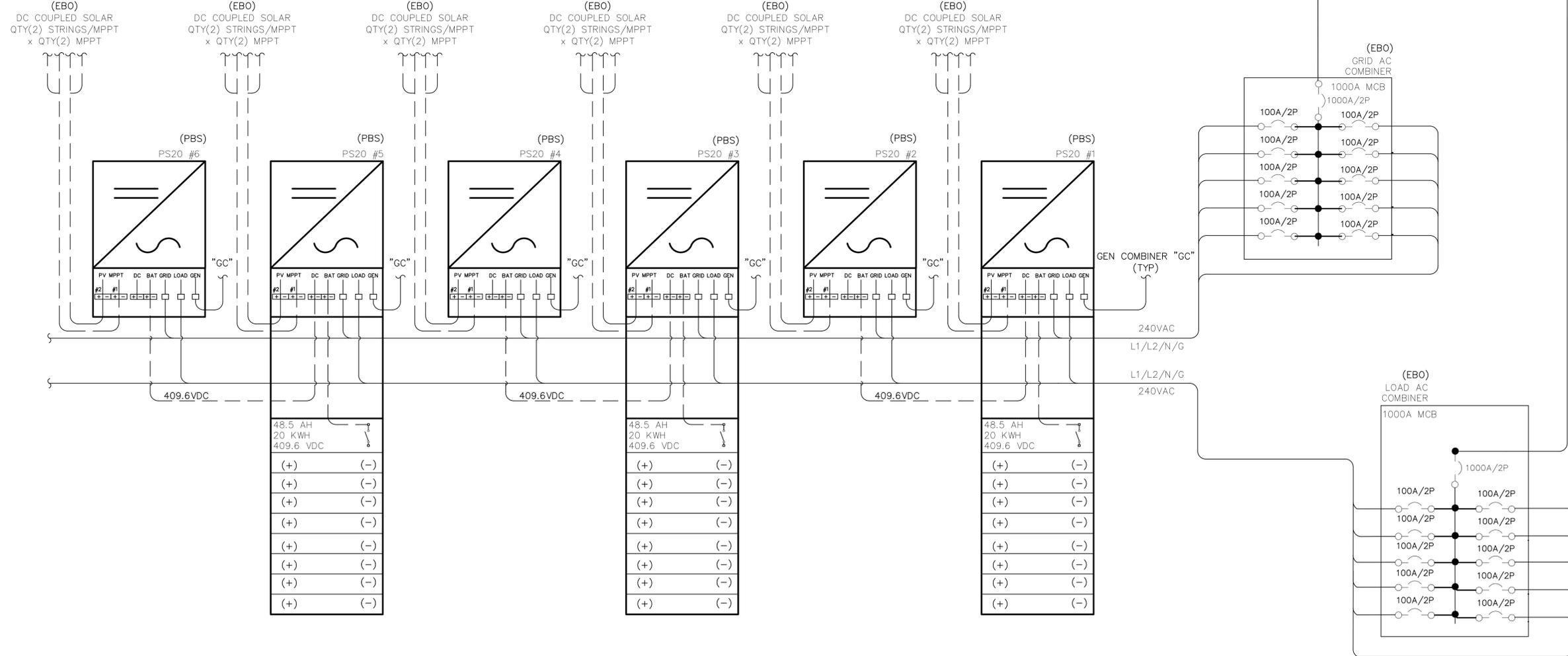
PS20_GEN TO GEN_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW											DSGN	MAW	12-10-2025	SAVANT POWER	JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT					DRN	JP	RESIDENTIAL MICROGRID			00
DATE	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			1000A: 125KW - 200KWH ESS PS20 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	009-2531-00	
INIT	*	*	*	*	*	*	REV	REVISIONS	DATE	DRN	DSGN	CKD	CERTIFICATE OF REGISTRATION NO. X-0000			

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

1000A POWER STORAGE 20 SYSTEM NOTES

- 100KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 62.5KW / 260.4A
- 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) 6.25KW AC COUPLED PV INPUTS
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER
6.5KW / BATTERY STACK
- DISCHARGE RATE: 6.25KW / INVERTER
12.5KW / BATTERY STACK



PS20_GEN TO GEN_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: 62.5KW - 100KWH ESS			009-2535-00
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000			PS20 ONLINE DIAGRAM (120/240V)			

