



### GEN TERMINAL SOURCE OPTIONS

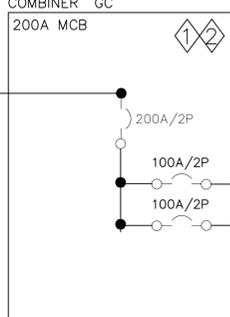
(EBO/XM)  
GENERATOR



(EBO/XM)  
SPD



(EBO)  
GEN AC  
COMBINER "GC"



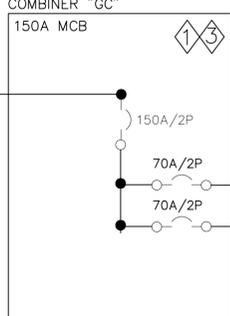
### OPTION A GENERATOR



(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

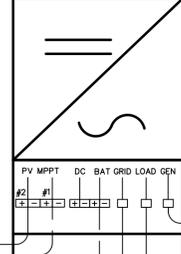
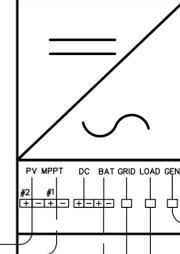
- ① OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
- ② QTY (1) PS20 GEN TERMINAL INPUT IS RATED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



"GC"

GEN COMBINER "GC"  
(TYP)

240VAC

240VAC

L1/L2/N/G

L1/L2/N/G

240VAC

48.5 AH  
20 KWH  
409.6 VDC

48.5 AH  
20 KWH  
409.6 VDC

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

(+) (-)

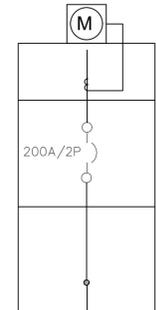
(+) (-)

(+) (-)

(+) (-)

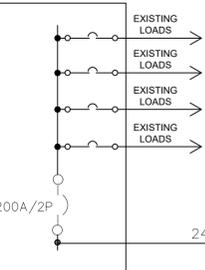
(+) (-)

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

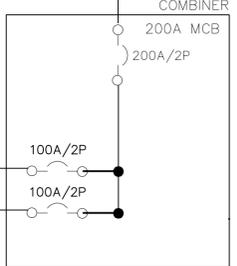


240VAC

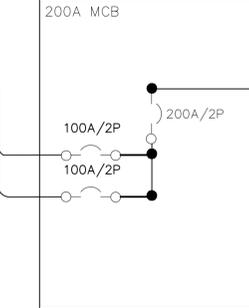
(EBO/XM)  
MDP



(EBO)  
GRID AC  
COMBINER



LOAD AC  
COMBINER



### 200A POWER STORAGE 20 SYSTEM NOTES

1. 40KWH RATED ENERGY STORAGE
2. 25KW / 104A OFFGRID CONTINUOUS
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) 12.5KW AC COUPLED PV INPUTS
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 48KW / 200A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. 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	*	*	*	*	*	*

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

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

CERTIFICATE OF REGISTRATION NO. X-0000		
--	--	--

SAVANT POWER	
RESIDENTIAL MICROGRID	
200A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)	

JOB NUMBER	REV
-	00
DRAWING NUMBER	
009-2542-00	