



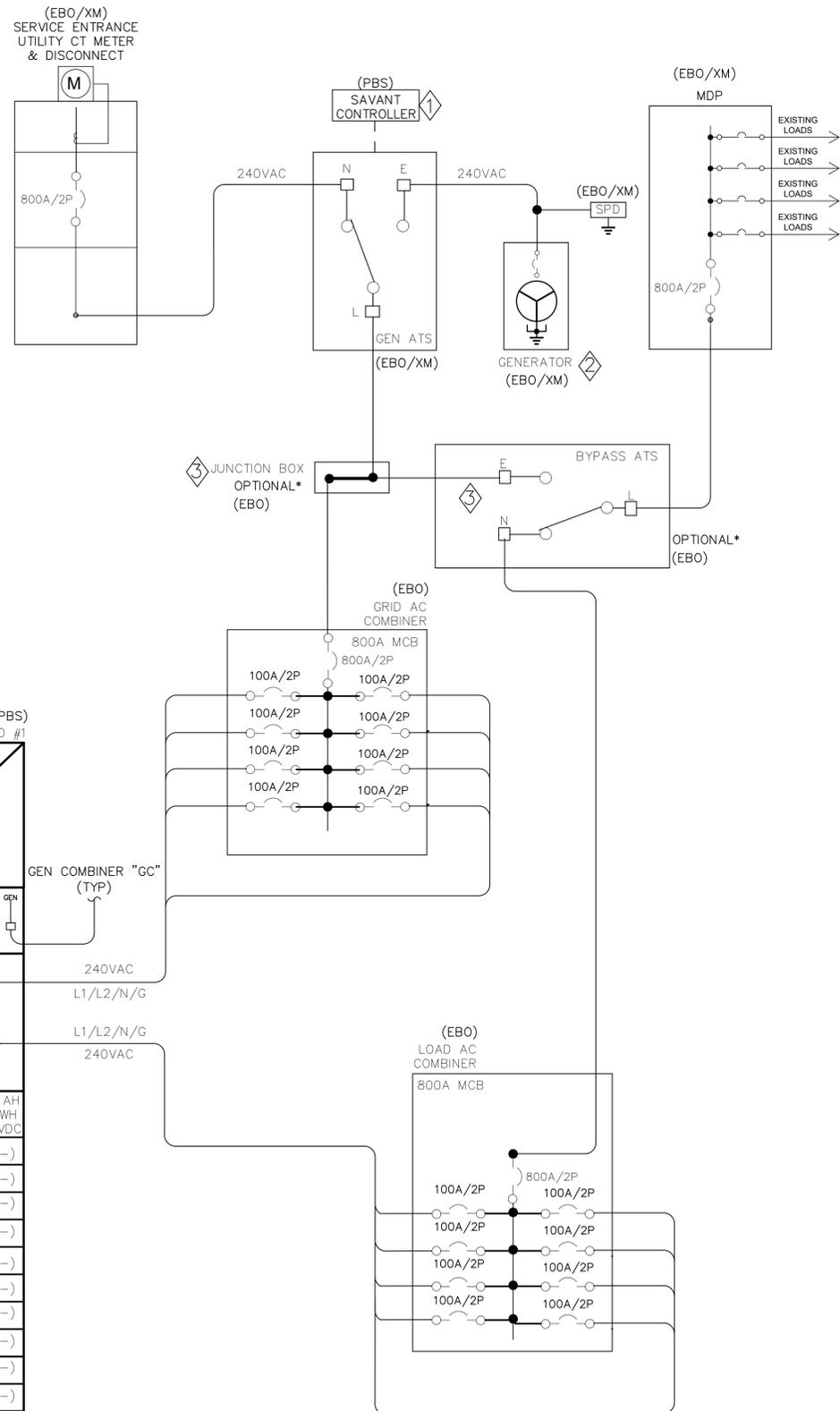
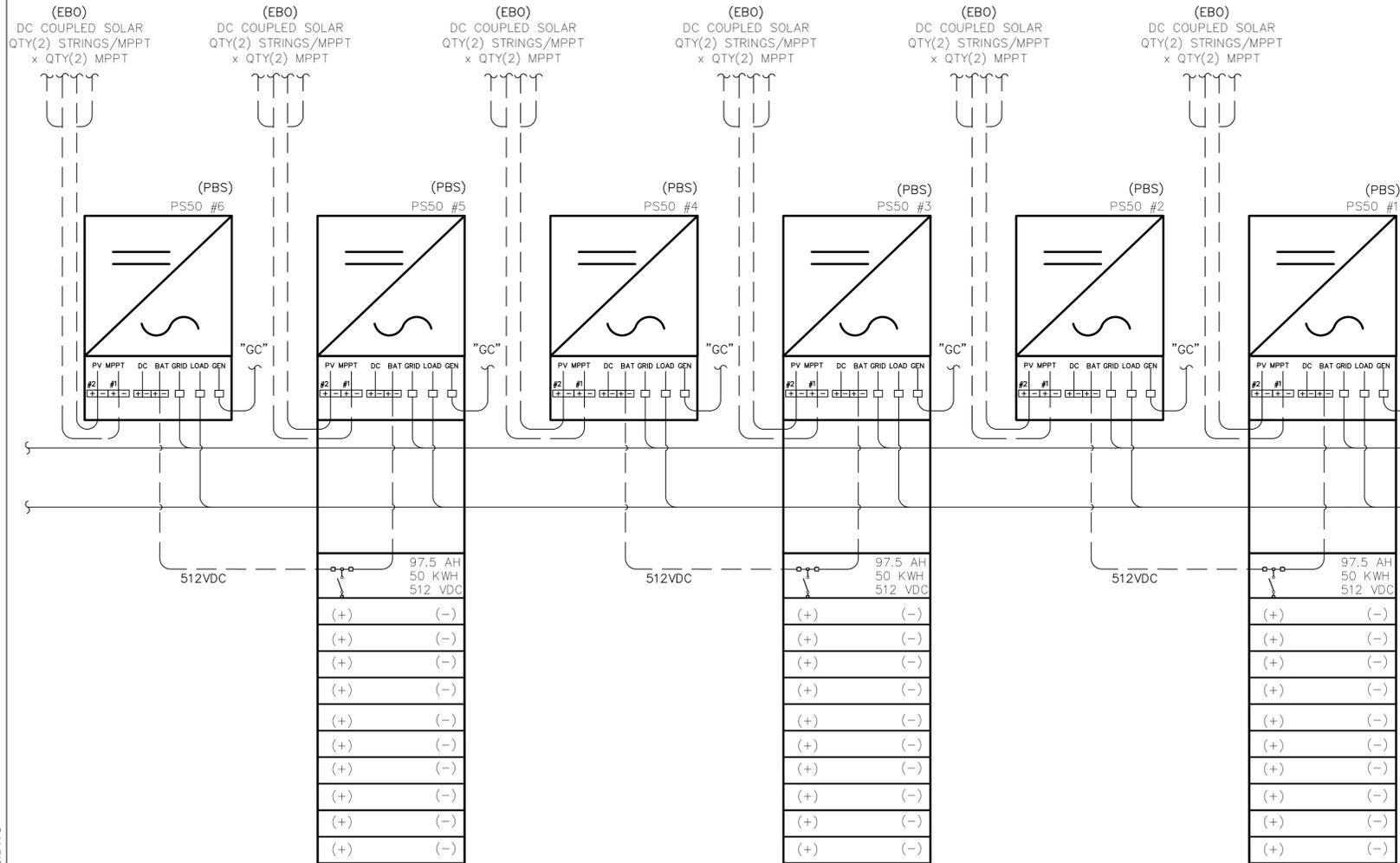
| LEGEND & ABBREVIATIONS |   |
|------------------------|---|
| (PBS)                  | PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS |
| (EBO)                  | EQUIPMENT FURNISHED AND INSTALLED BY OTHERS   |
| (XM)                   | EQUIPMENT EXISTING TO REMAIN                  |
| SPD        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

**KEYNOTE DRAWING NOTES**

① "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).

② QTY (1) PS50 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.

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.



**800A POWER STORAGE 50 SYSTEM NOTES**

- 200KWH 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 / INVERTER
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER  
13KW / BATTERY STACK
- DISCHARGE RATE: 12.5KW / INVERTER  
25KW / BATTERY STACK

PS50\_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 |     |            |                 |     |      |  | RESIDENTIAL MICROGRID                                      |              | 00          |     |
| DATE                    | *         | *     | *     | *    | *    | *      |     |            |                 |     |      |  |  |              |             |     |
| INIT                    | *         | *     | *     | *    | *    | *      | 00  | VERSION 00 | 12-10-2025      | MAW |      |  | 800A: 100KW - 200KWH ESS<br>PS50 ONLINE DIAGRAM (120/240V) |              | 009-2672-00 |     |
| REV                     | REVISIONS |       |       | DATE | DRN  | DSGN   | CKD | APPD       | SCALE: AS NOTED |     |      | 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                 |

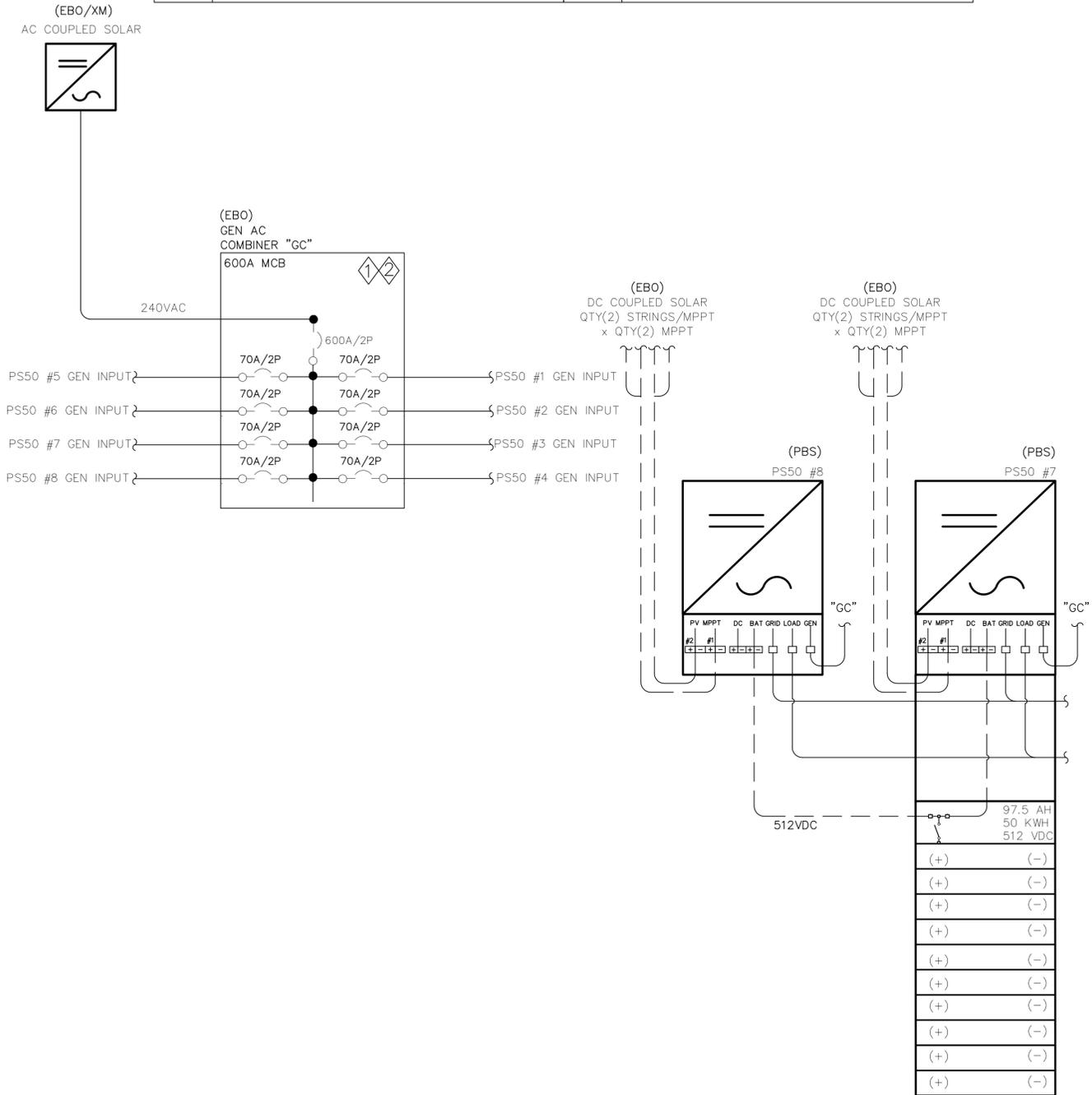
KEYNOTE DRAWING NOTES

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 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.

800A POWER STORAGE 50 SYSTEM NOTES

- 200KWH 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 / INVERTER
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER  
13KW / BATTERY STACK
- DISCHARGE RATE: 12.5KW / INVERTER  
25KW / BATTERY STACK



PS50\_GEN TO GRID\_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

|   |  |
|---|--|
| SAVANT POWER  |  |
| RESIDENTIAL MICROGRID                                       |  |
| 800A: 100KW - 200KWH ESS<br>PS50 ONELINE DIAGRAM (120/240V) |  |

|                |     |
|----------------|-----|
| JOB NUMBER     | REV |
|                | 00  |
| DRAWING NUMBER |     |
| 009-2673-00    |     |