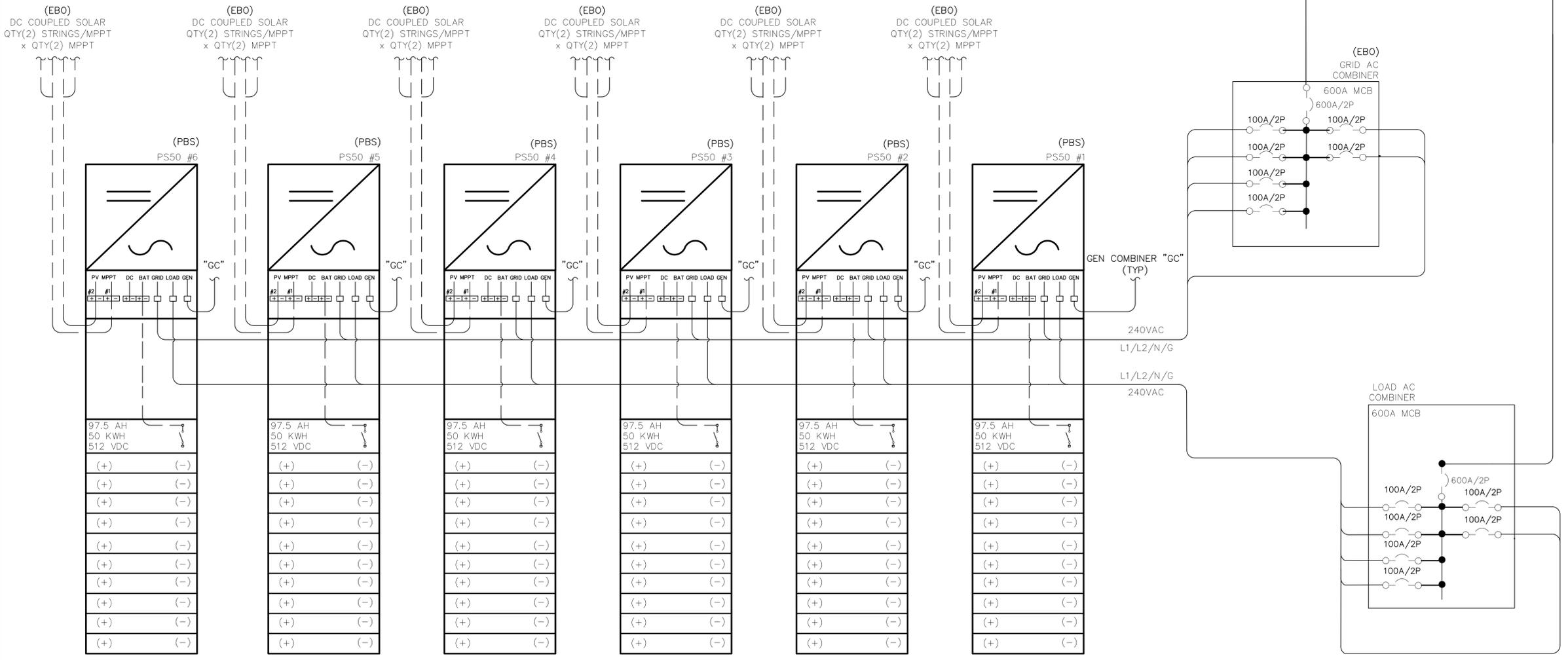


| LEGEND & ABBREVIATIONS | | KEYNOTE DRAWING NOTES | |
|------------------------|---|-----------------------|--|
| (PBS) | PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS | ① | "GENERATOR TO GRID" SYSTEMS REQUIRE A SAVANT CONTROLLER (DIRECTOR OR PRO HOST). THE GPIO PORT ON THE CONTROLLER SHALL BE CONNECTED 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 |
| (XM) | EQUIPMENT EXISTING TO REMAIN | | |
| SPD | SURGE PROTECTION DEVICE | | |
| TYP | TYPICAL THROUGHOUT DRAWING | | |
| AF | SWITCH DISCONNECT FUSE RATING | | |

- 600A POWER STORAGE 50 SYSTEM NOTES**
- 300KWH 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) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL 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



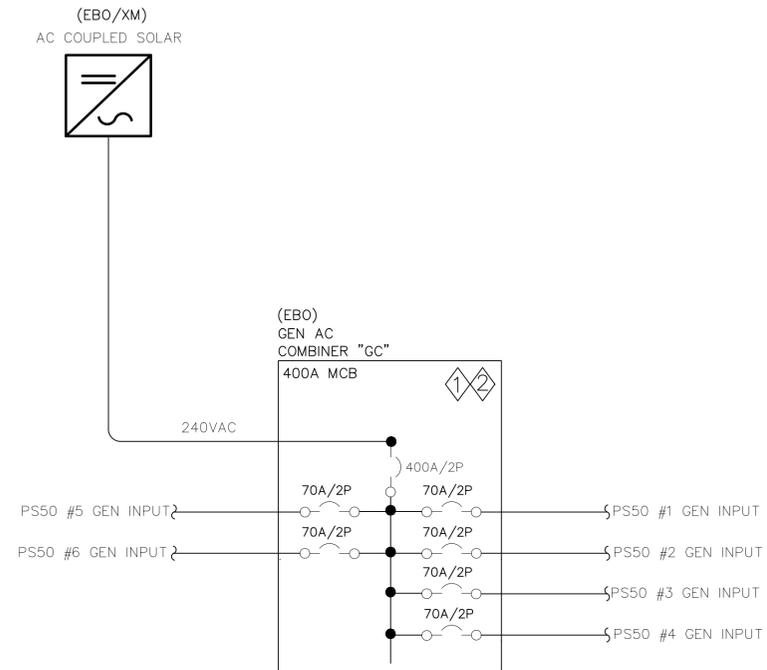
PS50_GEN TO GRID_12_10_2025_V00_R00.DWG

| INTER-DISCIPLINE REVIEW | | | | | | | | REVISIONS | | | | 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 | | 009-2662-00 | |
| INIT | * | * | * | * | * | * | 00 | VERSION 00 | 12-10-2025 | MAW | | | SCALE: AS NOTED | | | 600A: 75KW - 300KWH ESS | | PS50 ONLINE DIAGRAM (120/240V) | |
| REV | | | | | | | | REVISIONS | DATE | DRN | DSGN | CKD | APPD | CERTIFICATE OF REGISTRATION NO. X-0000 | | | | | |

600A POWER STORAGE 50 SYSTEM NOTES

- 300KWH 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) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- 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

| 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 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 | | |
| (XM) | EQUIPMENT EXISTING TO REMAIN | ◊ | 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 | | |
| TYP | TYPICAL THROUGHOUT DRAWING | | |
| AF | SWITCH DISCONNECT FUSE RATING | | |



PS50_GEN TO GRID_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 | | - | △ |
| DATE | * | * | * | * | * | * | | | | | | | | CKD | JP | | DRAWING NUMBER | | | |
| INIT | * | * | * | * | * | * | 00 | VERSION 00 | 12-10-2025 | MAW | | | | SCALE: AS NOTED | | | 600A: 75KW - 300KWH ESS PS50 ONELINE DIAGRAM (120/240V) | | 009-2663-00 | |
| REV | REVISIONS | | | | | | | DATE | DRN | DSGN | CKD | APPD | | | | CERTIFICATE OF REGISTRATION NO. X-0000 | | | | |