

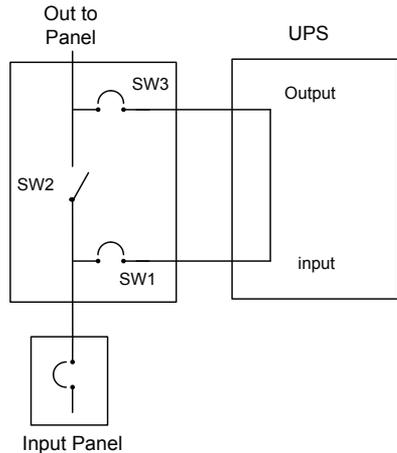
SUDC Sequence Of Operation

SUDC208V42P30M, SUDC208V42P40M SUDC208V42P60M & SUDC208V84P60M

The 30M/40M/60M suffix in the distribution center part number indicates an integral 3 breaker maintenance bypass in the bottom of the cabinet. The feature enables make-before-break isolation of the UPS from the critical load for maintenance of the UPS.

The drawing illustrates power flow and sequence of operation of the bypass switch. It is important to follow the procedure correctly to avoid damaging the UPS or dropping the critical load.

- 1** Put the UPS into bypass by turning off the inverter (press the red button then turn the manual rotary switch to bypass on the back of the UPS)
- 2** Using the Key, retract SW2 bolt and close SW2
- 3** Using key, retract bolt and open SW3
- 4** Open SW1



The UPS is now in bypass. To return to normal operation, reverse the process.

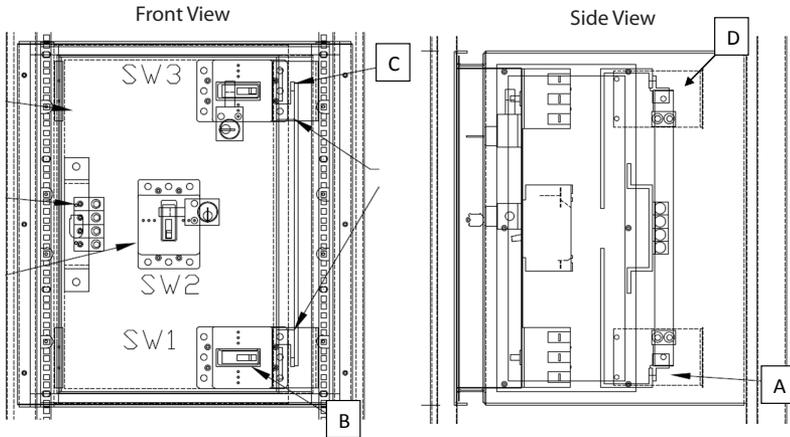


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Wiring

The drawing below shows bypass utility input **A**, UPS isolation input **B**, and UPS isolation output **C** termination points. The bypass output **D** is prewired to the distribution panel, which reduces installation time. Use the attached table as a wiring guideline subject to NEC and local codes. Flexible cable and conduit is recommended for ease of installation. Access panels are located on the side and rear of the bypass enclosure for access to termination points.



Wiring Guidelines

| Tripp Lite P/N | Voltage | DP Poles | DP Breaker | MBP | MBP Breaker | KAIC Rating | Cable Size |
|----------------|-----------|----------|------------|------------|-------------|-------------|------------|
| SUDC208V42P | 208Y/120V | 42 | 225A | - | - | 10 | 000 AWG |
| SUDC208V42P30M | 208Y/120V | 42 | 225A | 20 & 30kVA | 100A | 18 | 4 AWG |
| SUDC208V42P40M | 208Y/120V | 42 | 225A | 40kVA | 150A | 65 | 2 AWG |
| SUDC208V42P60M | 208Y/120V | 42 | 225A | 60kVA | 225A | 65 | 000 AWG |
| SUDC208V84P60M | 208Y/120V | 84 | 225A | 60kVA | 225A | 65 | 000 AWG |

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