

INPUT CABLING AND PROTECTION

Table below applies to:

1. A stand-alone UPS or
2. A UPS equipped with a Maintenance Bypass Cabinet (without transformer)

Max. System Load Rating	Input Voltage – 208VAC		Input Voltage – 240VAC	
	Max. Current in UPS mode	Min. Input Protection Circuit Breaker	Max. Current in UPS mode	Min. Input Protection Circuit Breaker
4kVA	18 amps	50 amps	15 amps	50 amps
8kVA	36 amps	50 amps	31 amps	50 amps
12kVA	53 amps	75 amps	46 amps	75 amps
16kVA	70 amps	100 amps	62 amps	90 amps
Terminal Block Details	Maximum: 35mm ² (2 AWG); Minimum: 16mm ² (6 AWG) Torque Rating: 2.5-3.0 Nm (22-26 in/lbs)			

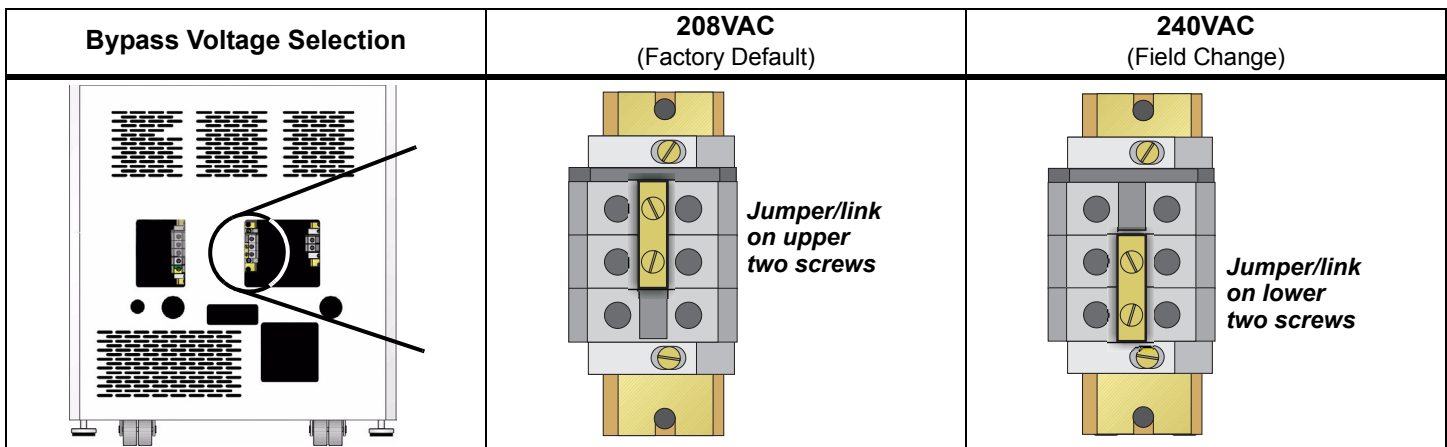
UPS With Maintenance Bypass Cabinet (With Transformer)

Single Input Feed: All UPS ratings must use 100A input circuit breaker protection.

Dual Input Feed: See table below.

Max. System Load Rating	UPS Feed				Bypass Feed
	Input Voltage – 208VAC		Input Voltage – 240VAC		208V or 240V
	Max. Current in UPS mode	Min. Input Protection Circuit Breaker	Max. Current in UPS mode	Min. Input Protection Circuit Breaker	Min. Input Protection Circuit Breaker
4kVA	18 amps	50 amps	15 amps	50 amps	100 amps
8kVA	36 amps	50 amps	31 amps	50 amps	100 amps
12kVA	53 amps	75 amps	46 amps	75 amps	100 amps
16kVA	70 amps	100 amps	62 amps	90 amps	100 amps
Terminal Block Details	Maximum: 35mm ² (2 AWG); Minimum: 16mm ² (6 AWG) Torque Rating: 2.5-3.0 Nm (22-26 in/lbs)				

Bypass Voltage Jumper Position (TB2)



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SL-23951 (7/05) Rev. 3

THIS LABEL MUST BE REMOVED PRIOR TO OPERATING THE UPS

OUTPUT CABLING

UPS Output Terminal Block (TB3)

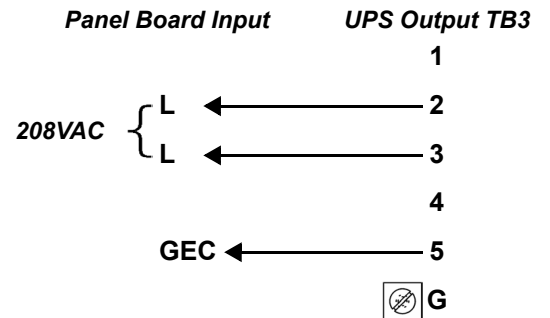
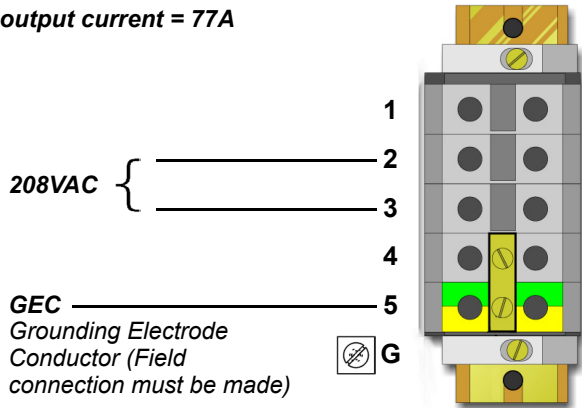
Connection to External Panel Boards

208VAC

If connected equipment operates at 208VAC only, use a single-phase panel board connected to the UPS as follows.

Setup 1 - 208VAC

Max output current = 77A



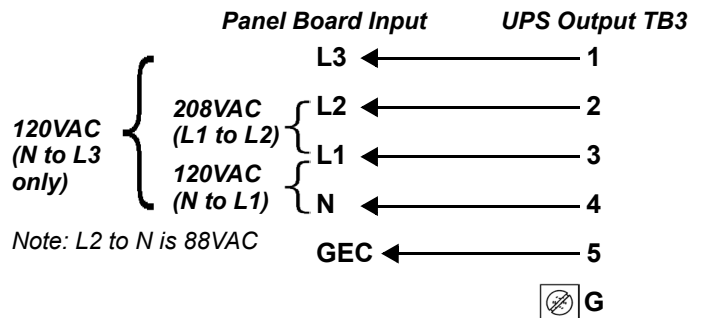
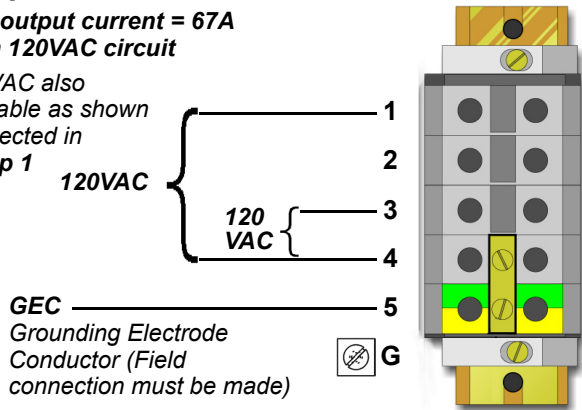
208VAC and 120VAC

If connected equipment is a combination of 208VAC and 120VAC, use a three-phase panel board connected to the UPS as follows.

Setup 2 - 120VAC

Max output current = 67A
each 120VAC circuit

208VAC also available as shown connected in Setup 1



CAUTION: It is important for the installing electrician to clearly identify the connections for future reference. Refer to NEC 215-8 and 210-4(d).

240VAC and/or 120VAC

If connected equipment operates at 240VAC only or 120VAC only or is a combination of both, use a single-phase panel board connected to the UPS as follows.

Setup 3 - 240VAC

Max output current = 67A

120VAC also available as shown connected in Setup 2

