

Note:

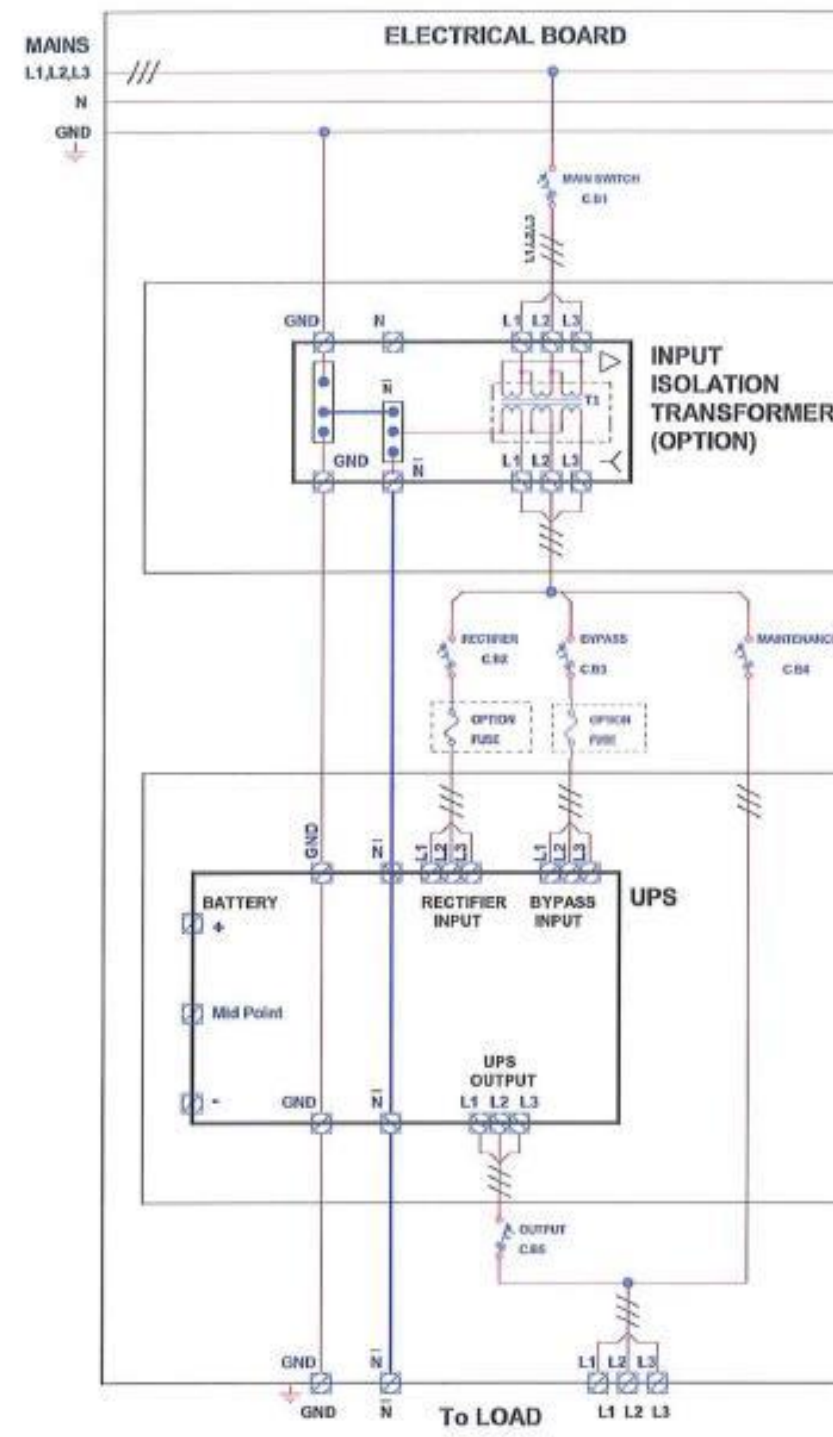
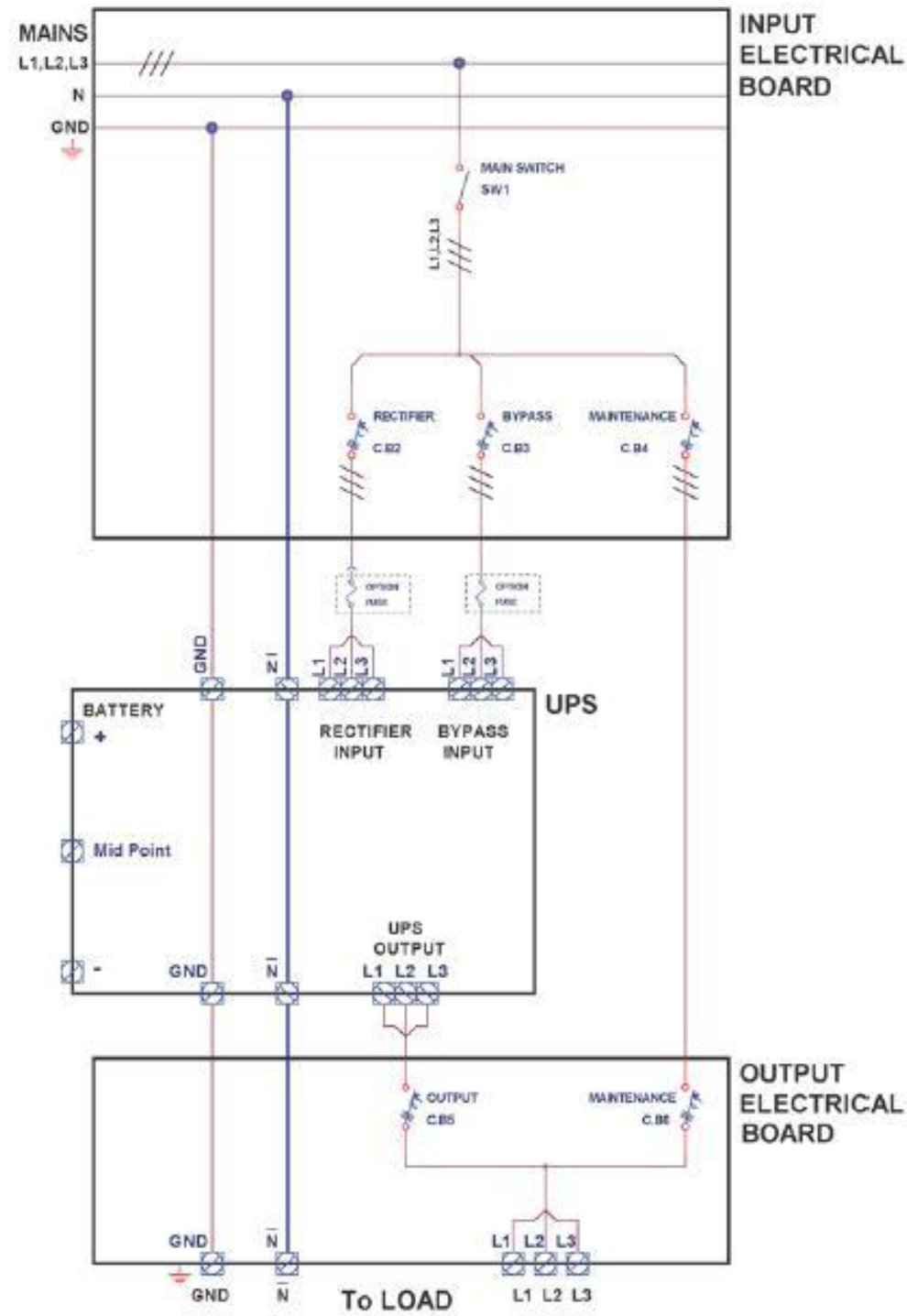
- Observe all unpacking requirements in the Installation Guide
- Observe all applicable local and nation codes and requirements
- No minimum side clearance, provided that the UPS is not placed next to heat-emitting or electronic equipment. If the UPS is placed next to heat-emitting or electronic equipment, leave at least 20 cm free space between the UPS and the other equipment. The object here is to avoid subjecting the UPS to additional heat and to protect the UPS from stray electronic signals.

Model	Output Rating		H (inches)	W (inches)	D (inches)	Weight (pounds)	Wt w/full batteries (pounds)	Maximum Floor Loading (lbs/sq ft)	Maintenance Clearance (not Code)			Maximum Heat Rejection (Btu)
	kVA	kW							Front (inches)	Rear (inches)	Side (inches)	
B60US-IB/20	20	18	80	24	41	507	1720	252	43	39	0	4300
B60US-IB/40	40	36	80	24	41	551	1764	258	43	39	0	8600
B60US-IB/60	60	54	80	24	41	595	1808	265	43	39	0	12900

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Note:

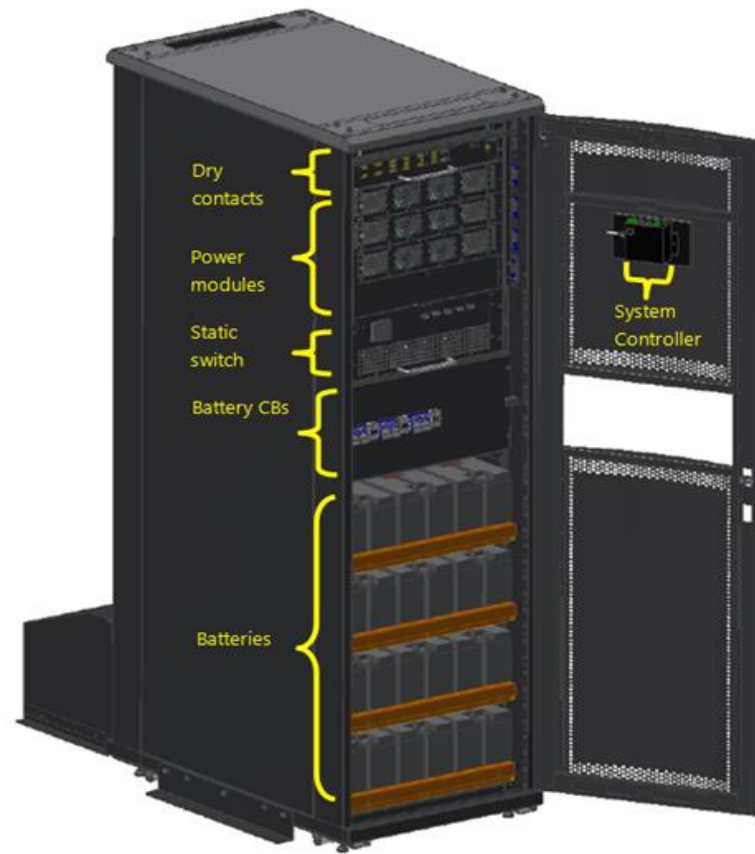
- Observe all local and national codes and requirements.

Model	Output Rating		Rectifier Input Current	Suggested Input Breaker Size (100%)	Bypass Input Current	Suggested Bypass Breaker Size (100%)	Output Current	Suggested Output Breaker Size (100%)	Battery Configuration	Battery Power	Max DC Current	Rating for Fast Blow Fuses
	kVA	kW	Amps	Amps	Amps	Amps	Amps	Amps	VDC	kWb	Amps	Amps
B60US-IB/20	20	18	62	63	56	63	56	63	192-/+	18.54	58	60
B60US-IB/40	40	36	124	125	112	125	112	125	192-/+	37.08	116	125
B60US-IB/60	60	54	186	200	168	175	168	175	192-/+	55.62	174	175



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Note:

- Observe all local and national codes and requirements.



ITEM	DESCRIPTION
P23	Load-on-bypass dry contact, N.O
P12	Forced Bypass contacts. N.O. These contacts are intended to be used in conjunction with the Maintenance Bypass function.
P28	Supplies 48 Vdc for battery trip coil – occupied for B60 internal batteries
P11	Contacts for Emergency Power-Off (EPO) switch, N.O.
P19	Triggers the battery trip coil which opens the battery CB, when the EPO switch is pressed– occupied for B60 internal batteries.

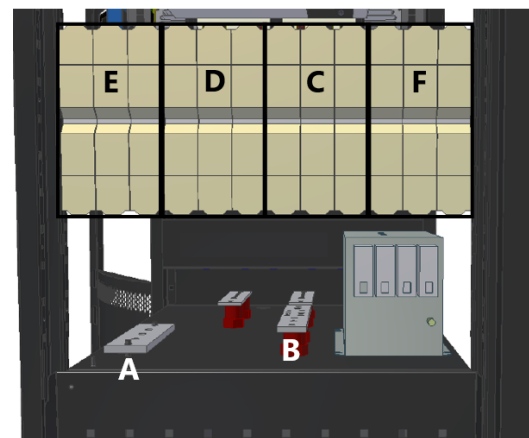



Table: Key to Figure

Item	Description
A	Protective earth (ground) bus bar
B	Neutral and midpoint terminals
C	AC RECTIFIER INPUT terminals (L1, L2, L3)
D	BYPASS INPUT terminals (L1, L2, L3)
E	AC OUTPUT terminals (L1, L2, L3)
F	BATTERY terminals (positive, midpoint, negative)

P1	1 Digital output #1 2 Digital output #2 3 Digital output #2 4	P7	1 Temp. sensor #1 A 2 Temp. sensor #1 B 3 Temp. sensor #2 A 4 Temp. sensor #2 B	P13	1 +12V 2 Batt. current #2 3 GND 4 -12V
P2	1 Digital output #3 2 Digital output #4 3 4	P8	1 Digital input #1 2 Common 3 Digital input #2 4 Common	P14	1 +12V 2 Batt. current #3 3 GND 4 -12V
P3	1 Digital output #5 2 Digital output #6 3 Digital output #6 4	P9	1 Digital input #3 2 Common 3 Digital input #4 4 Common	P15	1 +12V 2 Batt. current #4 3 GND 4 -12V
P4	1 Digital output #7 2 Digital output #8 3 Digital output #8 4	P10	1 Digital input #5 2 Common 3 Digital input #6 4 Common	P16	1 Digital output #7 2 Common 3 Digital output #8 4 Remote panel PWR
P5	1 RS485 Modbus A 2 RS485 Modbus B 3 GND 4 GND	P11	1 Digital input #7 2 Common 3 Digital input #8 4 Common	P17	1 Remote panel DAT 2 Remote panel CLK 3 Remote panel GND 4 RS232 TX
P6	1 RS485 Parallel A 2 RS485 Parallel B 3 GND 4 GND	P12	1 +12V 2 Batt. current #1 3 GND 4 -12V		5 RS232 RX 6 GND

B60US-IB mode, Terminal Rear View

B60 US Internal Battery Selector						Number of Strings		
						1	2	3
Int 3 x 32 jars max; 20AH; CSB HR1290W is base design	Gama PN	# of jars/string	Ah Rating	Jar Mfg	Jar MN	Support Time	Support Time	Support Time
20kVA/18kW	2BTD3540WA	32	20Ah	CSB	HR1290W	13	30	50
40kVA/36kW	2BTD3540WA	32	20Ah	CSB	HR1290W		13	25
60kVA/54kW	2BTD3540WA	32	20Ah	CSB	HR1290W			13



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