

Note:

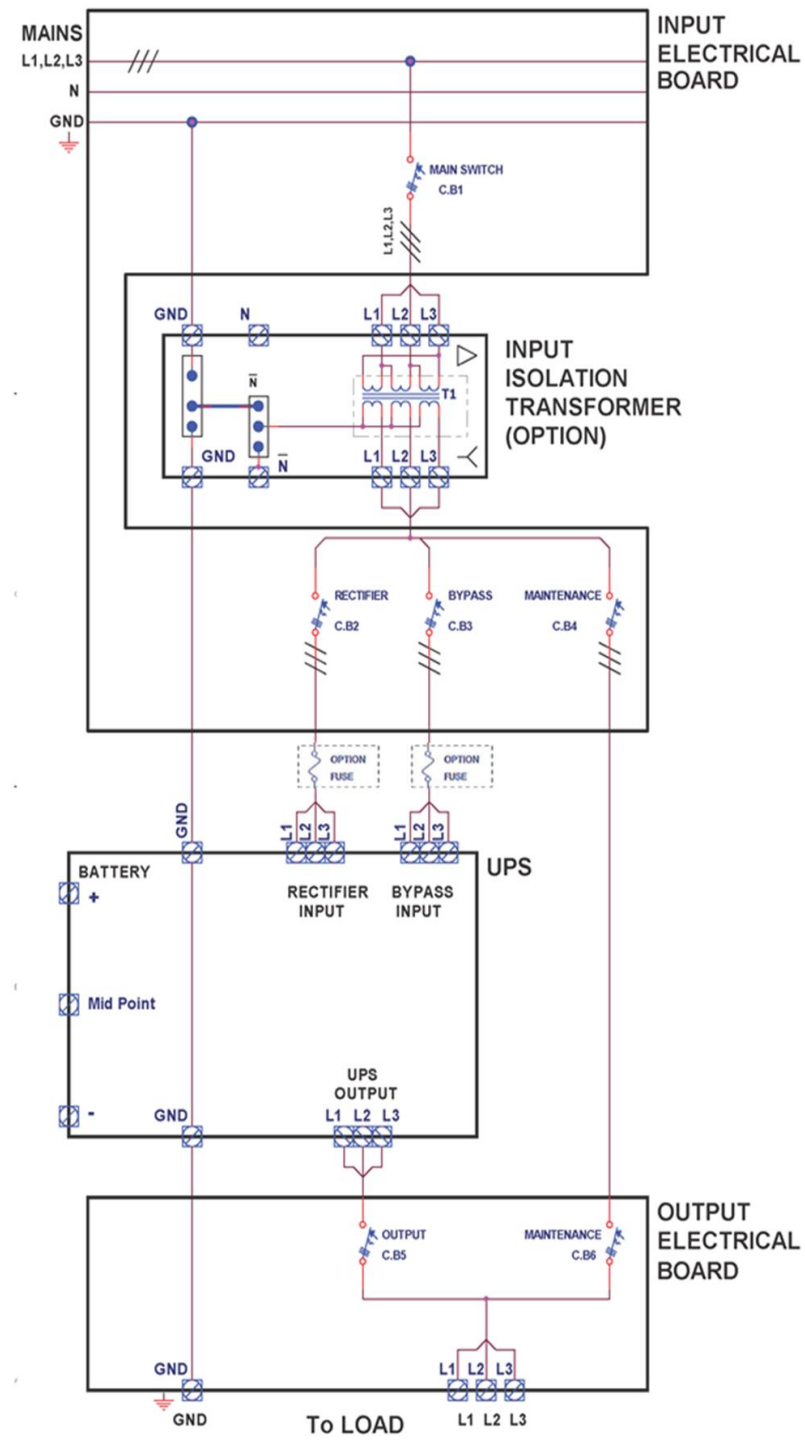
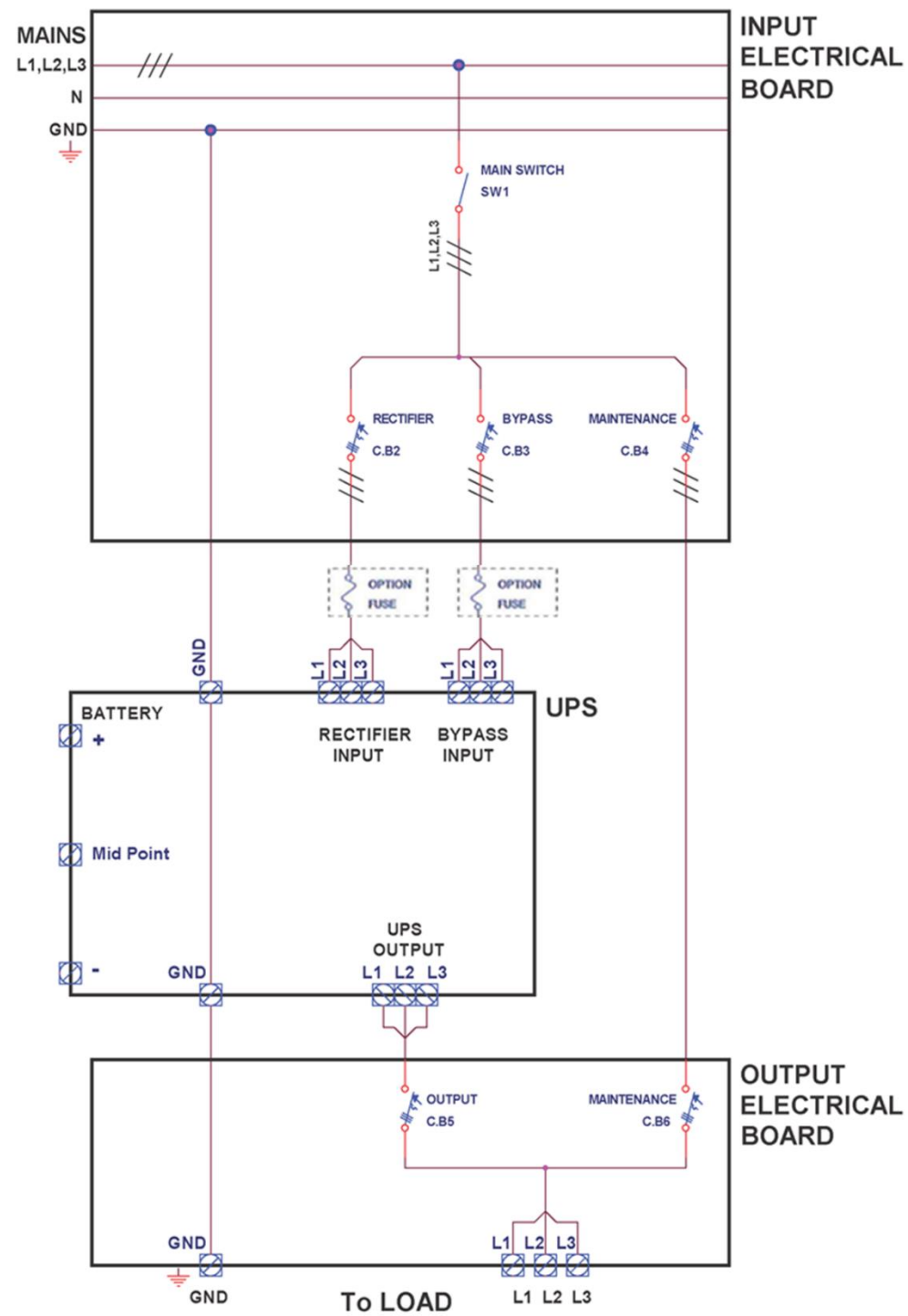
- Observe all unpacking requirements in the Installation Guide.
- Observe all applicable local and national codes and requirements.
- No minimum side clearance, provided that the UPS is not placed next to heat-emitting or electronic equipment. If the UPS is placed next to heat-emitting or electronic 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)	Maximum Floor Loading (lbs/sq ft)	Maintenance Clearance (not Code)			Maximum Heat Rejection (Btu)
	kVA	kW						Front (inches)	Rear (inches)	Side (inches)	
B240US/30	30	30	80	24	41	485	71	43	39	0	4300
B240US/60	60	60	80	24	41	530	78	43	39	0	8600
B240US/90	90	90	80	24	41	615	90	43	39	0	12900
B240US/120	120	120	80	24	41	660	97	43	39	0	17200
B240US/150	150	150	80	24	41	745	110	43	39	0	21500
B240US/180	180	180	80	24	41	790	116	43	39	0	25800
B240US/210	210	210	80	24	41	875	129	43	39	0	30100
B240US/240	240	240	80	24	41	920	135	43	39	0	34400

solaredge
Critical Power

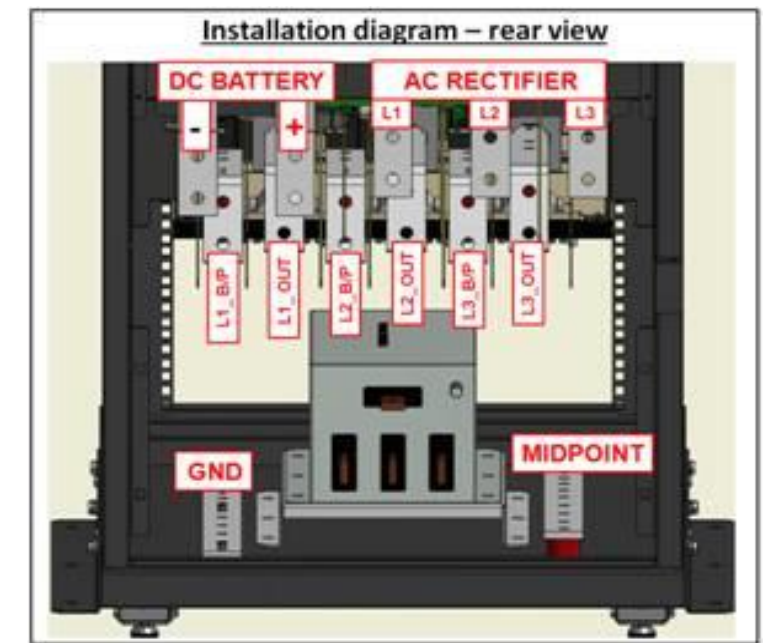
B240US Planning Guide - Pg #1

Date: 26.04.20	Project:	Rev: 02
		By: JM



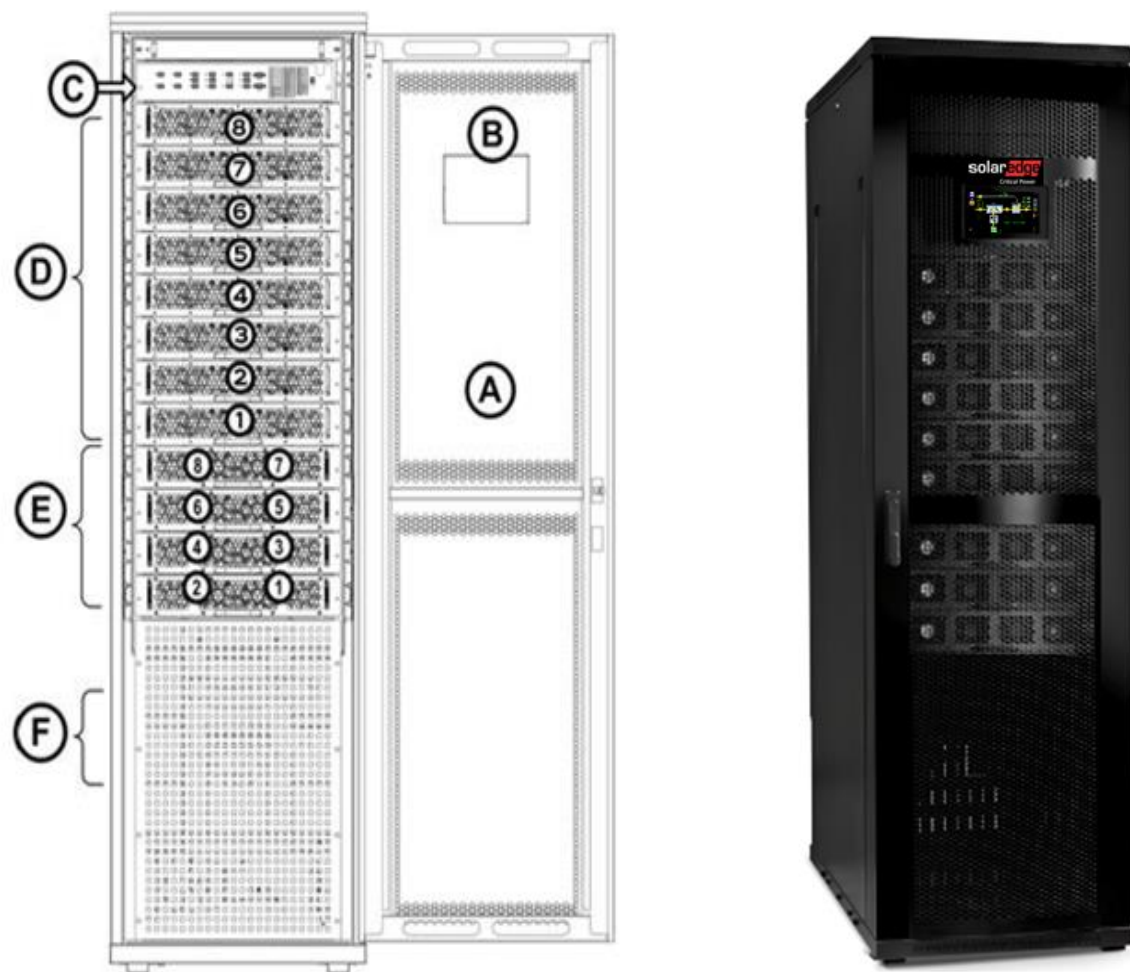
Note:

- Observe all local and national codes and requirements.



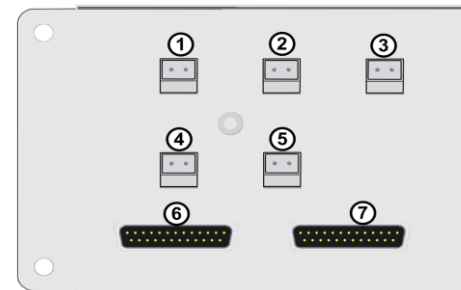
Model	Output Rating		Rectifier Input Current	Suggested Input Breaker Size (100%)	Bypass Input Current	Suggested Bypass Breaker Size (100%)	Output Current	Suggested Output Breaker Size (100%)	Battery Configuration	Battery Power	Max DC Current	Rating for Fast Blow Fuses
	kVA	kW	Amps	Amps	Amps	Amps	Amps	Amps	VDC	kWb	Amps	Amps
B240US/30	30	30	42	45	36	40	36	40	240-/+	31.20	78	80
B240US/30	60	60	84	90	72	80	72	80	240-/+	62.40	156	175
B240US/90	90	90	126	125	108	125	108	125	240-/+	93.60	234	250
B240US/120	120	120	168	175	144	150	144	150	240-/+	124.80	312	350
B240US/150	150	150	210	225	180	200	180	200	240-/+	156.00	390	400
B240US/180	180	180	252	250	216	225	216	225	240-/+	187.20	468	450
B240US/210	210	210	294	300	252	250	252	250	240-/+	218.40	546	600
B240US/240	240	240	336	350	288	300	288	300	240-/+	249.60	624	700





B240US - Perspective View

ITEM	DESCRIPTION
A	The UPS cabinet's front door
B	System controller
C	Dry contacts
D	Shelves for up to 8 UPS modules. Each UPS module supplies 30 kW. The lowest UPS shelf is UPS shelf 1, the next shelf up is shelf 2, and so on.
E	Shelves for up to 4 dc-dc converter modules. The dc-dc modules convert the battery voltage of 270 V to 420 V for the UPS modules. Each dc-dc module contains 2 converter blocks. All of the dc-dc blocks are connected to one-another in parallel, and supply the UPS modules in parallel. The lowest dc-dc shelf is shelf 1; the next shelf up is dc-dc shelf 2, and so on.
F	The static switch is located at this level, inside the UPS. It is not visible from the outside.



ITEM	DESCRIPTION
1	(P19) Contacts for battery trip coil. Normally Open.
2	(P11) Contacts for Emergency Power-Off (EPO) switch. Normally Open..
3	(P28) Voltage source: 48 Vdc.
4	(P12) Forced Bypass contacts. Normally Open. When these contacts are closed, the UPS immediately goes into bypass mode.
5	(P23) Load on bypass contacts. Normally Open.
6, 7	Connections for the two parallel communication cables when two or more UPS's are being operated in parallel configuration. Note that all parallel communication cables (the 25-pin cables) must be housed in appropriate conduits.



P1	1 Digital output #1 2 Digital output #2 3 Digital output #3 4 Digital output #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 #5 2 Digital output #6 3 Digital output #7 4 Digital output #8	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 #9 2 Digital output #10 3 Digital output #11 4 Digital output #12	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 RS485 Modbus A 2 RS485 Modbus B 3 GND 4 GND	P10	1 Digital input #5 2 Common 3 Digital input #6 4 Common	P16	3 Digital output #7 4 Common 5 Digital output #8 6 Remote panel PWR 7 Remote panel DAT 8 Remote panel CLK 9 Remote panel GND
P5	1 RS485 Parallel A 2 RS485 Parallel B 3 GND 4 GND	P11	1 +12V 2 Batt. current #1 3 GND 4 -12V	P17	2 RS232 TX 3 RS232 RX 5 GND

