

DEVICE	RATED SHORT CIRCUIT CURRENT	
	WITH INPUT FUSES	WITH INPUT BREAKERS
UPS	30kA SYMMETRICAL	30kA SYMMETRICAL
SBP	15kA SYMMETRICAL	15kA SYMMETRICAL

DEVICE RATING FOR SBPAR10K20H-WP (TO USE WITH 10-20KVA UPS PARALLEL OPERATION)

DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
Q2a,Q2b,Q2c	40A	AC SWITCH, 3POLE	Schneider Electric	INS40	1 AUX. SWITCH(NO)
Q3, Q4	100A	AC SWITCH, 4POLE	Schneider Electric	INS100	1 AUX. SWITCH(NO)

DEVICE RATING FOR SBPAR30K40H-WP (TO USE WITH 30-40KVA UPS PARALLEL OPERATION)

DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
Q2a,Q2b,Q2c	63A	AC SWITCH, 3POLE	Schneider Electric	INS63	1 AUX. SWITCH(NO)
Q3, Q4	200A	AC SWITCH, 4POLE	Schneider Electric	INS250-200A	1 AUX. SWITCH(NO)

SYSTEM DEVICE RATING (COMMON FOR BOTH SYSTEM)

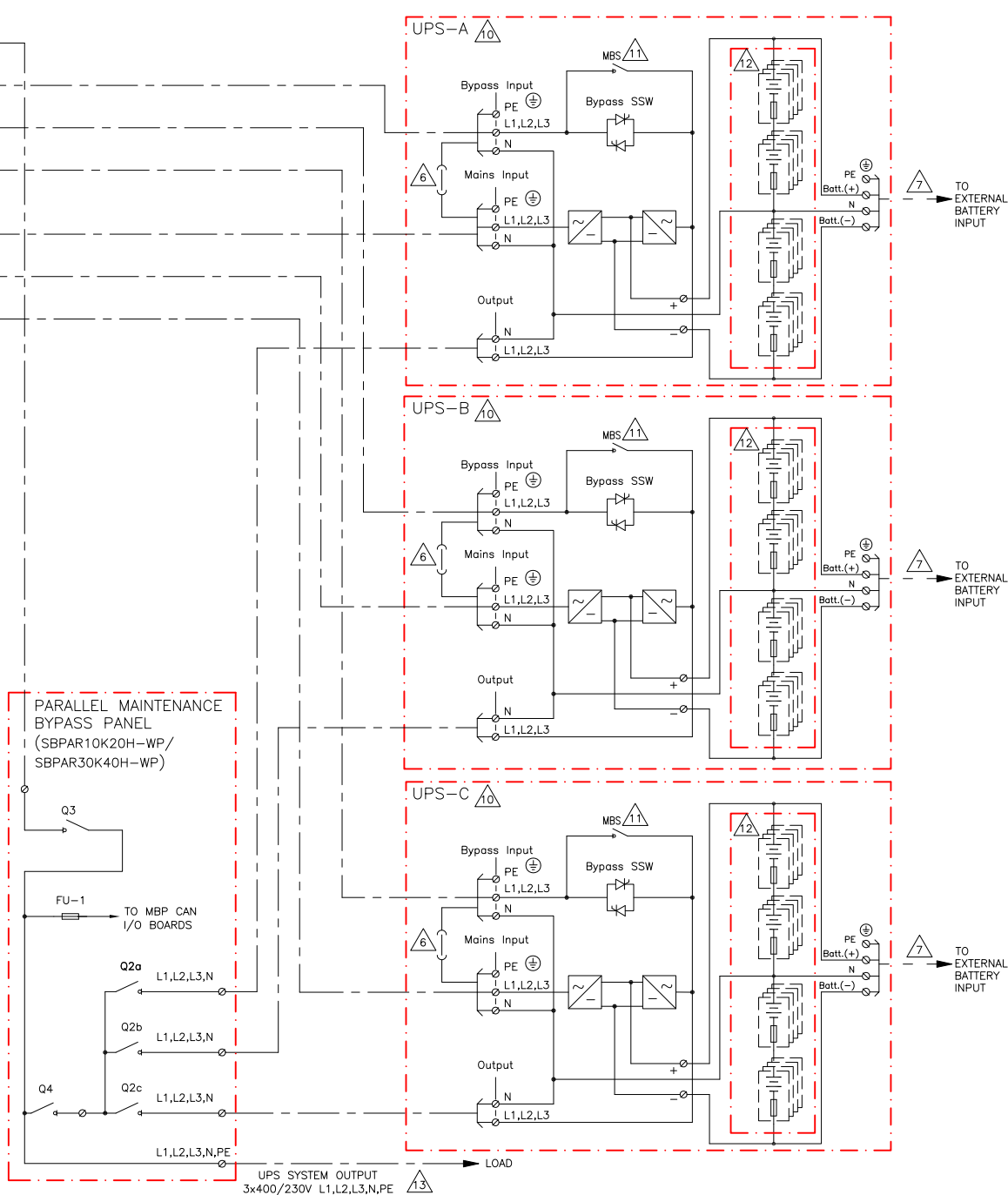
DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
FU-1	3A, 600V	TIME DELAY FUSE	BUSSMAN	FNQ-R-3	-

LEGEND:

- AC CABLE - PROVIDED BY OTHERS.
- DC CABLE - PROVIDED BY OTHERS.

NOTES:

1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. REFER TO Schneider Electric PRODUCT MANUALS FOR DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
- △ 4. 3x400/230V TN-S (PROVIDED BY OTHERS). FOR OTHER EARTHING PRINCIPLES, PLEASE CONTACT Schneider Electric. RECOMMENDED UPSTREAM PROTECTION IS A MINIMUM RATING TO SUPPORT MAXIMUM CURRENT, WITHOUT SELECTIVITY. IF SELECTIVITY IS REQUIRED, PLEASE CONTACT Schneider Electric.
5. ALL AC POWER CABLING IS L1, L2, L3, N, PE, UNLESS OTHERWISE SPECIFIED.
- △ 6. SINGLE MAINS CONFIGURATION IS A DEFAULT.
DO NOT REMOVE THE LINK BUS BARS FOR SINGLE MAINS CONFIGURATION AND CONNECT INPUT CABLES TO EITHER MAINS OR BYPASS TERMINALS.
FOR DUAL MAINS CONFIGURATION REMOVE THE 3 LINK BUS BARS.
- △ 7. DC CABLING TO BE 600V RATED, 2 WIRE + PE, EACH CIRCUIT TO BE RUN IN SEPARATE CONDUITS, POSITIVE, NEGATIVE + PE.
8. UPS INPUT AND OUTPUT CABLES SHOULD BE SEGREGATED.
9. POWER WIRING AND CONTROL WIRING SHOULD BE SEGREGATED.
- △ 10. APPLICABLE UPS SKU NUMBERS LISTED IN SHEET-2.
- △ 11. MBS HAS TO BE DISABLED WHILE USING WITH MAINTENANCE BYPASS PANEL.
- △ 12. BATTERY MODULES NOT PART OF THIS SKU. THE SAME CAN BE PURCHASED FROM Schneider Electric.
OPTIONAL BATTERY MODULE SKU:- 0G-SYBTU1
MINIMUM APPLICABLE QUANTITY :-10kVA-1, 15kVA-2, 20kVA-2, 30kVA-2 & 40kVA-4
- △ 13. SYSTEM OUTPUT FOR VARIOUS SKUs LISTED IN SHEET-2.
- △ 14. FOR SYSTEM INPUT OVER CURRENT PROTECTION REFER TO SHEET-2.
- △ 15. BYPASS INPUT CAN BE PROVIDED VIA MAINS INPUT OR OTHER NON SYNCHRONIZED SOURCE.
CONTACT Schneider Electric IF DUAL SOURCES ARE BOTH SEPARATELY DERIVED POWER SYSTEMS.
- △ 16. MUST BE L1,L2,L3,PE SOURCE PROVIDED BY OTHERS.



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TITLE: GALAXY 3500
 Output: 400/230V AC 3PH SINGLE/DUAL MAINS
 10-40kVA 3 MODULE PARALLEL WITHOUT BATTERIES
 SYSTEM ONE LINE DIAGRAM

DWG NO: G35T10K40HNB-3MOD-SD
 DRAWN: BALAMURUGAN/JAYAPRAKASH
 ENGINEER: S.ANDERSEN
 APPROVED: S.WAGH/E.SILVA

REV: 2
 08-DEC-15
 08-DEC-15
 08-DEC-15
 ANGLE
 PROJECTION:
 N/A

Galaxy 3500® 10K and 40K UPS Frame (3 Module) Site Planning Data - with MBP

Input and output Voltage : 400V AC

Battery - Nominal Voltage should be : +/-192V DC

UPS Rating	SKU Number	System Mains Input		System Bypass Input	System Output		UPS - DC Current (A)	Recommended Over current Protection Device Ratings			
		Nominal Current (A)	Maximum Current (A)	Nominal Current (A)	System output Power	Nominal Current (A)		Individual UPS Mains Input (A)	Individual UPS Bypass Input (A)	UPS System Input (A)	UPS System Output (A)
10kVA/8kW	G35T10KHS	36.9	40.5	43.2	30kVA / 24kW	43.2	27.5	16	16	50	50
15kVA/12kW	G35T15KHS	55.5	60.9	65.1	45kVA / 36kW	65.1	41.2	25	25	80	80
20kVA/16kW	G35T20KHS	74.1	81.6	86.7	60kVA / 48kW	86.7	55	32	32	100	100
30kVA/24kW	G35T30KHS	110.1	120.9	129.9	90kVA / 72kW	129.9	82.5	50	50	160	160
40kVA/32kW	G35T40KHS	147.3	162	173.1	120kVA / 96kW	173.1	110.1	63	63	200	200

Notes.

1. Nominal Input current based on nominal mains voltage + batteries fully charged at 100% ohmic load.
2. Maximum Input current based on fully battery recharge + nominal mains voltage at 100% ohmic load.
3. Suggested input overcurrent protection based on continuous full load.
4. Nominal battery voltage assumed to be 2.0 volts/ cell (lead technology)
5. Over current protection device rating selection based on Nominal input current is acceptable provided battery recharge time is short.
Consult APC by Schneider Electric for application specific assistance.

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TITLE: GALAXY 3500
Input: 400/230V AC 3PH SINGLE/DUAL MAINS
Output: 400/230V AC AND 400V AC 3PH
10-40kVA 3 MODULE PARALLEL WITHOUT BATTERIES
SITE PLANNING GUIDE

<small>DWG NO:</small> G35T10K40H-3MOD-SD	<small>REV:</small> 0
<small>DRAWN:</small> BALAMURUGAN	<small>10-JUL-09</small>
<small>ENGINEER:</small> I.KENNEDY	<small>10-JUL-09</small>
<small>PROJECT:</small> SUBMITTAL DRAWINGS SHEET 2 OF 2	<small>APPROVED:</small> C.LARSEN
<small>ANGLE:</small>	<small>PROJECTION:</small> N/A