



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

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

NOTES:

- INSTALLATION MUST COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
- PLEASE REFER TO APC by Schneider Electric PRODUCT MANUALS FOR DETAILS.
- DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
- 3x400/230V TN-S (PROVIDED BY OTHERS). FOR OTHER EARTHING PRINCIPLES, PLEASE CONTACT APC by Schneider Electric. RECOMMENDED UPSTREAM PROTECTION IS A MINIMUM RATING TO SUPPORT MAXIMUM CURRENT, WITHOUT SELECTIVITY. IF SELECTIVITY IS REQUIRED, PLEASE CONTACT APC by Schneider Electric.
- ALL AC POWER CABLING IS L1, L2, L3, N, PE.
- 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.
- DC CABLING TO BE 600V RATED, 2 WIRE + PE, EACH CIRCUIT TO BE RUN IN SEPARATE CONDUITS, POSITIVE, NEGATIVE + PE.
- UPS INPUT AND OUTPUT CABLES SHOULD BE SEGREGATED.
- POWER WIRING AND CONTROL WIRING SHOULD BE SEGREGATED.
- APPLICABLE UPS SKU NUMBERS LISTED IN SHEET-2.
- MBS HAS TO BE DISABLED WHILE USING WITH MAINTENANCE BYPASS PANEL.
- BATTERY MODULES NOT PART OF THIS SKU. THE SAME CAN BE PURCHASED FROM APC by Schneider Electric.
OPTIONAL BATTERY MODULE SKU:- 0G-SYBTU1
MINIMUM APPLICABLE QUANTITY :-10kVA-1, 15kVA-2, 20kVA-2, 30kVA-2 & 40kVA-4
- SYSTEM OUTPUT FOR VARIOUS SKUs LISTED IN SHEET-2.
- FOR SYSTEM INPUT OVER CURRENT PROTECTION REFER TO SHEET-2.

DEVICE RATING FOR SBPSU10K20HC1M1-WP (TO USE WITH 10-20KVA UPS)

DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
Q1	40A	AC SWITCH, 3POLE WITH SOLID NEUTRAL	KRAUS&NAIMER	KG41B-T203/IRL147VE	1 AUX. SWITCH (NO)
Q2	40A	AC SWITCH, 4POLE	KRAUS&NAIMER	KG41-T103/IRL143VE	2 AUX. SWITCH (1-NO, 1-NC)
Q3	40A	AC SWITCH, 4POLE	KRAUS&NAIMER	KG41-T103/USA044VE	1 AUX. SWITCH (NC)

DEVICE RATING FOR SBPSU30K40HC1M1-WP (TO USE WITH 30/40KVA UPS)

DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
Q1	80A	AC SWITCH, 3POLE WITH SOLID NEUTRAL	KRAUS&NAIMER	KG80-T104/IRL180VE-M280E	1 AUX. SWITCH (NO)
Q2	80A	AC SWITCH, 4POLE	KRAUS&NAIMER	KG80-T104/IRL182VE	2 AUX. SWITCH (1-NO, 1-NC)
Q3	80A	AC SWITCH, 4POLE	KRAUS&NAIMER	KG80-T104/USA045VE	1 AUX. SWITCH (NC)

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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 1 MODULE WITHOUT BATTERIES
 SYSTEM ONE LINE DIAGRAM
 PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 2

DWG NO:	REV:
G35T10K40HNB-1MOD-SD	0
DRAWN: BALAMURUGAN	10-JUL-09
ENGINEER: I.KENNEDY	10-JUL-09
APPROVED: C.LARSEN	10-JUL-09
ANGLE	PROJECTION:
N/A	N/A

Galaxy 3500® 10K and 40K UPS Frame (1 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)		UPS Mains Input (A)	UPS Bypass Input (A)	UPS System Output (A)
10kVA/8kW	G35T10KHS	12.3	13.5	14.4	10kVA/8kW	14.4	27.5	16	16	16
15kVA/12kW	G35T15KHS	18.5	20.3	21.7	15kVA/12kW	21.7	41.2	25	25	25
20kVA/16kW	G35T20KHS	24.7	27.2	28.9	20kVA/16kW	28.9	55	32	32	32
30kVA/24kW	G35T30KHS	36.7	40.3	43.3	30kVA/24kW	43.3	82.5	50	50	50
40kVA/32kW	G35T40KHS	49.1	54	57.7	40kVA/32kW	57.7	110.1	63	63	63

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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 DRAWN: BALAMURUGAN 10-JUL-09
 ENGINEER: I.KENNEDY 10-JUL-09
 APPROVED: C.LARSEN 10-JUL-09

REV: 0
 ANGLE
 PROJECTION: N/A