



**NOTES:**

1. INSTALLATION MUST COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO APC by 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 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.
5. ALL AC POWER CABLING IS L1, L2, L3, N, PE.
- △ 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. MAXIMUM 4 XR BATTERY ENCLOSURES MAY BE USED WITH THE SYSTEM.
- △ 11. APPLICABLE UPS SKU NUMBERS LISTED IN SHEET-2.
- △ 12. DC BREAKERS ARE APPLICABLE FOR G35TBXR2B6S AND G35TBXR6B6S ONLY.
- △ 13. MBS HAS TO BE DISABLED WHILE USING WITH MAINTENANCE BYPASS PANEL.
- △ 14. THIS DRAWING SHOWS MAXIMUM NUMBER OF BATTERY MODULES IN EACH CABINET. THE QUANTITY OF BATTERY MODULE IS SKU SPECIFIC.  
EX. G35T10KH1B4S  
└─ CAN BE EXPANDED UPTO (4) BATTERY MODULES  
└─ MINIMUM NUMBER (1) OF BATTERY MODULES.  
EX. G35TBXR2B6S  
└─ CAN BE EXPANDED UPTO (6) BATTERY MODULES.  
└─ MINIMUM NUMBER (2) OF BATTERY MODULES.
- △ 15. SYSTEM OUTPUT FOR VARIOUS SKUs LISTED IN SHEET-2.
- △ 16. FOR SYSTEM INPUT OVER CURRENT PROTECTION REFER TO SHEET-2.

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

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

**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)

**SYSTEM DEVICE RATING (COMMON FOR BOTH SYSTEM)**

DC BREAKER	250A	CIRCUIT BREAKER 3POLE 500V	SQUARE D by Schneider Electric	KHL3625025DC1386	1-SHUNT TRIP (24V DC), 1-AUX. SWITCH
------------	------	----------------------------	--------------------------------	------------------	--------------------------------------

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: GALAXY 3500  
 Input: 400/230V AC 3PH SINGLE/DUAL MAINS  
 Output: 400/230V AC AND 400V AC 3PH 10-40KVA 1 MODULE  
 SYSTEM ONE LINE DIAGRAM  
 PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 2

DWG NO: G35T10K40H-1MOD-SD  
 DRAWN: BALAMURUGAN  
 ENGINEER: I.KENNEDY  
 APPROVED: C.LARSEN  
 REV: 1  
 10-JUL-09  
 10-JUL-09  
 10-JUL-09  
 ANGLE  
 PROJECTION:  
 N/A

## Galaxy 3500® 10K and 40K UPS Frame (1 Module) Site Planning Data - with MBP

Battery - Nominal Voltage : +/-192V DC

Input and output Voltage : 400V AC

UPS Rating	SKU Number	System Mains Input		System Bypass Input	System Output		Battery Current(A) (in UPS Cabinet)	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	G35T10KH1B2S	12.3	13.5	14.4	10kVA/ 8kW	14.4	27.5	16	16	16
	G35T10KH2B2S									
	G35T10KH1B4S									
	G35T10KH2B4S									
	G35T10KH3B4S									
G35T10KH4B4S										
15kVA/ 12kW	G35T15KH2B2S	18.5	20.3	21.7	15kVA/ 12kW	21.7	41.2	25	25	25
	G35T15KH2B4S									
	G35T15KH3B4S									
	G35T15KH4B4S									
20kVA/ 16kW	G35T20KH2B2S	24.7	27.2	28.9	20kVA/ 16kW	28.9	55	32	32	32
	G35T20KH2B4S									
	G35T20KH3B4S									
	G35T20KH4B4S									
30kVA/ 24kW	G35T30KH3B4S	36.7	40.3	43.3	30kVA/ 24kW	43.3	82.5	50	50	50
	G35T30KH4B4S									
40kVA/ 32kW	G35T40KH4B4S	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.

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.



TITLE: GALAXY 3500  
 Input: 400/230V AC 3PH SINGLE/DUAL MAINS  
 Output: 400/230V AC AND 400V AC 3PH  
 10-40KVA 1 MODULE  
 SITE PLANNING GUIDE  
 PROJECT: SUBMITTAL DRAWINGS SHEET 2 OF 2

DWG NO:	G35T10K40H-1MOD-SD	REV:	1
DRAWN:	BALAMURUGAN	10-JUL-09	ANGLE
ENGINEER:	I.KENNEDY	10-JUL-09	PROJECTION:
APPROVED:	C.LARSEN	10-JUL-09	N/A