



TABLE-3

RATED SHORT CIRCUIT CURRENT

DEVICE	WITH INPUT FUSES	WITH INPUT BREAKERS
UPS	30kA SYMMETRICAL	30kA SYMMETRICAL
XR CABINET	30kA SYMMETRICAL	30kA SYMMETRICAL

DEVICE RATING

DEVICE ID	DEVICE RATING	TYPE	MAKE	MODEL	ACCESSORIES
DC BREAKER	250A	CIRCUIT BREAKER 3POLE 500V	SQUARE D by Schneider Electric	KHL3625025DC1386	1-SHUNT TRIP (24V DC), 1-AUX. SWITCH

LEGEND:

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

NOTES:

- INSTALLATION MUST COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
- REFER TO 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 Schneider Electric. RECOMMENDED UPSTREAM PROTECTION IS A MINIMUM RATING TO SUPPORT MAXIMUM CURRENT, WITHOUT SELECTIVITY. IF SELECTIVITY IS REQUIRED, PLEASE CONTACT Schneider Electric.
- ALL AC POWER CABLING IS L1, L2, L3, N, PE, UNLESS OTHERWISE SPECIFIED.
- 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.
- MAXIMUM 4 XR BATTERY ENCLOSURES MAY BE USED WITH THE SYSTEM.
- APPLICABLE UPS SKU NUMBERS LISTED IN TABLE-3.
- DC BREAKER IS APPLICABLE FOR G35TBXR2B6S AND G35TBXR6B6S ONLY.
- THIS DRAWING SHOWS MAXIMUM NUMBER OF BATTERY MODULES IN EACH CABINET. THE QUANTITY OF BATTERY MODULE IS SKU SPECIFIC.
 EX. G35T10K311B4S
 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.
- SYSTEM OUTPUT FOR VARIOUS SKUs LISTED IN TABLE-3.
- FOR SYSTEM INPUT OVER CURRENT PROTECTION REFER TO TABLE-3.
- MUST BE L1,L2,L3,PE SOURCE PROVIDED BY OTHERS.

Galaxy 3500® 15K and 40K UPS (3 phase input and Single phase output) Site Planning

Input Voltage : 400V AC 3Ph 50Hz Output Voltage : 230V AC 1Ph 50Hz Battery - Nominal Voltage : +/-192V DC

UPS Rating	SKU Number	System Mains Input (400V-3Ph, 50Hz)		System Bypass Input (230V-1Ph, 50Hz)		System Output		Battery Current(A) (in UPS Cabinet)	Recommended Over current Protection Device Ratings	
		Nominal Current(A)	Maximum Current(A)	Nominal Current(A)	Nominal Current (A)	Nominal Current(A)	Mains Input (A)		Bypass Input (A)	
15kVA/ 12kW	G35T15K312B2S	18.5	20.3	65	15kVA/ 12kW	65	41.2	25	80	
	G35T15K312B4S									
	G35T15K313B4S									
	G35T15K314B4S									
20kVA/ 16kW	G35T20K312B2S	24.8	27.3	86.6	20kVA/ 16kW	86.6	55	32	100	
	G35T20K312B4S									
	G35T20K313B4S									
30kVA/ 24kW	G35T30K313B4S	36.7	40.3	129.9	30kVA/ 24kW	129.9	82.5	50	160	
	G35T30K314B4S									
40kVA/ 32kW	G35T40K314B4S	49.6	54.6	173.2	40kVA/ 32kW	173.2	110.1	63	200	

Notes.

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

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TITLE: GALAXY 3500
 Input: 400/230V AC 3PH DUAL MAINS
 Output: 230V AC 1PH
 15-40kVA
 SYSTEM ONE LINE DIAGRAM
 PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 1

DWG NO: G35T15K3140-SD
 DRAWN: BALAMURUGAN/JAYAPRAKASH
 ENGINEER: S.ANDERSEN
 APPROVED: S.WAGH/E.SILVA
 REV: 1
 08-DEC-15
 08-DEC-15
 08-DEC-15
 ANGLE
 PROJECTION:
 N/A