



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
5. THE SUPPLY FOR INPUT MUST BE SOLID-GROUNDED WYE TRANSFORMERS. DELTA INPUTS FOR INPUT IS NOT PERMITTED. THE UPS SYSTEM MUST BE INSTALLED AS SEPARATELY DERIVED SYSTEM. LEAKAGE CURRENTS WILL OCCUR IN THE BONDING JUMPER AND THE TECHNICAL/SYSTEM EARTH.
6. CABLE LUGS ARE PROVIDED BY OTHERS.
7. BUS LINK APPLICABLE FOR SINGLE MAINS ONLY, TO BE REMOVED FOR DUAL MAINS APPLICATION.
8. FOR UPS RATINGS REFER TO TABLE-1/2.
9. MAXIMUM INPUT SHORT-CIRCUIT WITHSTAND: $I_{cw}=65\text{ka}$ RMS SYMMETRICAL.
10. BATTERY TYPE: VRLA.
11. THE INTERNAL MAINTENANCE BREAKER (IMB) SHOULD BE PAD LOCKED IN OPEN POSITION FOR THIS PARALLEL CONFIGURATION.
12. THE RECOMMENDED KIRK KEY INTERLOCKS (WITH SKRU) SCHEME IS 39.
13. CONTACT SCHNEIDER ELECTRIC FOR SWITCHGEAR RECOMMENDATIONS.
14. FOR PARALLEL SYSTEMS, UPSTREAM CIRCUIT BREAKER INSTANTANEOUS OVERRIDE (II) VALUES MUST NOT BE SET HIGHER THAN 1250 A.
15. FOR PARALLEL SYSTEMS WITH THREE OR MORE UPS's OF RATING 20-120KW@480V / 10-60KW@208V, A CIRCUIT BREAKER MUST BE INSTALLED ON THE OUTPUT OF EACH UPS. THE INSTANTANEOUS OVERRIDE (II) VALUES OF UNIT OUTPUT BREAKER (UOB) MUST NOT BE SET HIGHER THAN 1250 A.
16. FOR PARALLEL SYSTEM WITH TWO OR MORE UPS's OF RATING 150KW@408V / 75KW@208V, A CIRCUIT BREAKER MUST BE INSTALLED ON THE OUTPUT OF EACH UPS. THE INSTANTANEOUS OVERRIDE (II) VALUES OF UNIT OUTPUT BREAKER (UOB) MUST NOT BE SET HIGHER THAN 1250 A.
17. FOR SCALABLE UPS GVSUPS50K150GS, ALWAYS SIZE THE UPSTREAM PROTECTION FOR A UPS RATING OF 150 kW. FOR SCALABLE UPS GVSUPS25K75KFS, ALWAYS SIZE THE UPSTREAM PROTECTION FOR A UPS RATING OF 75 kW.

TABLE-1A

GALAXY VS 50-150KW 480V AC IN/480V AC OUT APPLICABLE UPSs WITH SKUs AND RATINGS			
MAINS INPUT: 480V AC, 60HZ 3PH 3 WIRE+G BYPASS INPUT: 480V AC 60HZ 3PH 3 OR 4 WIRE+G OUTPUT: 480V AC, 60HZ, 3 OR 4 WIRE+G			
SKU NUMBER	UPS RATING (kW)	NUMBER OF BATTERY BLOCKS	NOMINAL DC VOLTAGE (12 V BATTERY)
GVSUPS20KGS	20	32 TO 48	32BLOCKS: +/-192 34BLOCKS: +/-204 36BLOCKS: +/-216 38BLOCKS: +/-228
GVSUPS30KGS	30		
GVSUPS40KGS	40	40 TO 48	40BLOCKS: +/-240 42BLOCKS: +/-252 44BLOCKS: +/-264 46BLOCKS: +/-276 48BLOCKS: +/-288
GVSUPS50KGS	50		
GVSUPS60KGS	60	35 TO 48	
GVSUPS80KGS	80	32 TO 48	
GVSUPS100KGS	100	40 TO 48	
GVSUPS120KGS	120		
GVSUPS150KGS	150		
GVSUPS50K150GS	50kW EXPANDABLE TO 60/80/100/120/150kW	REFER TO RESPECTIVE EXPANDED RATING AS MENTIONED IN ABOVE ROW	

TABLE-2A

GALAXY VS 25-75kW 200-208-220V AC IN/208V AC OUT APPLICABLE UPSs WITH SKUs AND RATINGS			
MAINS/BYPASS INPUT: 200-208-220V AC, 60HZ 3PH 4 WIRE+G WYE OUTPUT: 200-208-220V AC, 60HZ, 4 WIRE+G			
SKU NUMBER	UPS RATING (kW)	NUMBER OF BATTERY BLOCKS	NOMINAL DC VOLTAGE (12 V BATTERY)
GVSUPS10KFS	10	32 TO 40	32BLOCKS: +/-192 V 34BLOCKS: +/-204 V 36BLOCKS: +/-216 V 38BLOCKS: +/-228 V 40BLOCKS: +/-240 V
GVSUPS15KFS	15		
GVSUPS20KFS	20		
GVSUPS30KFS	30		
GVSUPS40KFS	40		
GVSUPS50KFS	50		
GVSUPS60KFS	60		
GVSUPS75KFS	75		
GVSUPS25K75KFS	25kW EXPANDABLE TO 30/40/50/60/75kW	REFER TO RESPECTIVE EXPANDED RATING AS MENTIONED IN ABOVE ROWS	

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Schneider Electric

TITLE: GALAXY VS 10-75kW In:208V, Out:208V, 3PH, 60Hz 20-150kW In:480V, Out:480V, 3PH, 60Hz 4 MOD UPS w COMMON BATT BANK&SYSTEM BYPASS SINGLE MAINS SYSTEM ONE LINE DIAGRAM

PROJECT: DRAWINGS **SHEET 1 OF 2**

DWG NO: GVS10K75FS20K150GS4CB-SD **REV.** 2

DRAWN BY: BALA **01-SEP-21** **ANGLE**

ENGINEER: J L / H N / C A **02-SEP-21** **PROJECTION**

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