



OUTPUT-1250kW,  
380/400/415V,  
3PH, 50Hz,  
L1,L2,L3,N,PE OR L1,L2,L3,PE

**LEGEND:**  
--- AC CABLE (PROVIDED BY OTHERS)  
--- 500VDC CABLE (PROVIDED BY OTHERS)

#### 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.
- Δ5. INPUT AC SOURCE TO BE 3 WIRE+PE. TN, TT AND IT POWER DISTRIBUTION SYSTEM WITH NO EARTHED LINE CONDUCTORS ARE SUPPORTED.
- Δ6. BYPASS INPUT TO BE 3 WIRE+PE OR 4 WIRE+PE. TN, TT AND IT POWER DISTRIBUTION SYSTEM WITH NO EARTHED LINE CONDUCTORS ARE SUPPORTED.
- Δ7. CONFIGURATION APPLICABLE FOR 6, 7 OR 8 NUMBER OF BATTERY STRINGS..
- Δ8. USE OF BBC IS MANDATORY IF NUMBER OF BATTERY STRINGS ARE 3 OR LESS.
- Δ9. CONFIGURATION APPLICABLE IF NUMBER OF BATTERY STRINGS ARE BETWEEN 4 AND 8. BATTERY BREAKER RATING (PER STRING) IS 1000A IF NUMBER OF BATTERY STRINGS ARE FROM 4 OR 5. BATTERY BREAKER RATING (PER STRING) IS 600A IF NUMBER OF BATTERY STRINGS ARE 6, 7 OR 8.
10. BACK FEED PROTECTION "BF2" BUILT INTO UPS MODULE.
- Δ11. SKUs ARE ETO (ENGINEER TO ORDER) ITEMS.
- Δ12. MAXIMUM INPUT SHORT-CIRCUIT WITHSTAND:  $I_{cw}=100kA$  RMS SYMMETRICAL.
- Δ13. A READILY ACCESSIBLE BREAKER IS REQUIRED FOR UPSTREAM CURRENT PROTECTION. MAXIMUM FAULT CURRENT DISCONNECTION TIME: 46 SECONDS@200%  $I_n$ .

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**Schneider Electric**

**TITLE:** GALAXY VX  
Input: 380/400/415V AC 3PH 50Hz DUAL FEED  
Output: 380/400/415V AC 3PH 50Hz 1250kW  
1250kW/ 1250kW EXP. TO 1500kW UPS 1 MOD w BATT  
SYSTEM ONE LINE DIAGRAM  
**PROJECT:** DRAWINGS **SHEET** 1 OF 1

**DWG NO:** GVX1250KHBMBCC1M2-SD **REV.** 7  
**DRAWN BY:** BALA **30-MAY-18** **ANGLE**  
**ENGINEER:** S ANDERSEN **30-MAY-18** **PROJECTION**  
**APPROVED BY:** H N / D M / G S **30-MAY-18** **N. A**

DEVICE RATINGS (RECOMMENDED/PRESENT) (DEVICE MAKE-SCHNEIDER ELECTRIC)					
LOCATION	DEVICE ID	DEVICE	RATING (SKU GVX1250K1250HS)		
			@380V	@400V	@415V
FEEDER	UIB	MCCB	2500AF (NW25H2)	2500AF (NW25H2)	2500AF (NW25H2)
	BIB/SSIB		2500AF (NW25H2)	2500AF (NW25H2)	2000AF (NW20H2)
MAINTENANCE BYPASS CABINET (MBC)	MBB / UOB	SWITCH DISCONNECT	2000AF (INS2000)	2000AF (INS2000)	2000AF (INS2000)
CLASSIC BATTERY CABINET	BB	MCCB	600AF		
BATTERY BREAKER CABINET	BB	ACB	4000AF		
BATTERY BREAKER BOX	BB	MCCB	600AF/1000AF		
			<div>9</div>		

DEVICE RATINGS (RECOMMENDED/PRESENT) (DEVICE MAKE-SCHNEIDER ELECTRIC)					
LOCATION	DEVICE ID	DEVICE	RATING (SKU GVX1250K1500HS)		
			@380V	@400V	@415V
FEEDER	UIB	MCCB	3200AF (NW32H2)	3200AF (NW32H2)	3200AF (NW32H2)
	BIB/SSIB		3200AF (NW32H2)	2500AF (NW25H2)	2500AF (NW25H2)
MAINTENANCE BYPASS CABINET (MBC)	MBB / UOB	SWITCH DISCONNECT	2500AF (INS2500)	2500AF (INS2500)	2500AF (INS2500)
CLASSIC BATTERY CABINET	BB	MCCB	600AF		
BATTERY BREAKER CABINET	BB	ACB	4000AF		
BATTERY BREAKER BOX	BB	MCCB	600AF/1000AF		
					9

CURRENT DATA IN AMPS @1500KW (SKU# GVX1250K1500HS)			
	@380V	@400V	@415V
NOMINAL INPUT (NO CHARGING)	2401	2279	2194
MAXIMUM INPUT CURRENT**	2657	2552	2457
NOMINAL BYPASS INPUT CURRENT	2302	2187	2108
NOMINAL OUTPUT CURRENT	2279	2165	2087
FULL LOAD BATTERY CURRENT (@ VMIN)	4092		
** NOMINAL INPUT VOLTAGE AND FULL CHARGE.			

CURRENT DATA IN AMPS UPS1250KW (SKU# GVX1250K1250HS)			
	@380V	@400V	@415V
NOMINAL INPUT (NO CHARGING)	2001	1899	1828
MAXIMUM INPUT CURRENT**	2214	2127	2048
NOMINAL BYPASS INPUT CURRENT	1918	1822	1757
NOMINAL OUTPUT CURRENT	1899	1804	1739
FULL LOAD BATTERY CURRENT (@ VMIN)	3410		
** NOMINAL INPUT VOLTAGE AND FULL CHARGE.			

