



LEGEND:
 - - - - - AC CABLE (PROVIDED BY OTHERS)

GALAXY VS 20KW 480V AC IN/400V AC OUT UPS SYSTEM SITE PLANNING DATA								
MAINS INPUT (SINGLE MAINS): 480V AC, 60HZ 3PH, WYE 3 WIRE+G								
OUTPUT: 400V AC, 60HZ, 3PH, 4 WIRE+G NOMINAL DC VOLTAGE: 480V DC								
NOMINAL MAINS INPUT CURRENT (A) @480V AC	MAXIMUM INPUT CURRENT (A) @480V AC	UPS / SYSTEM OUTPUT CURRENT (A) @400V AC	UPS INTERNAL BATTERY STRING (CR: GVSBT4LL)		BATTERY CURRENT (40 BLOCKS) (A DC)		RECOMMENDED UPSTREAM PROTECTION Ir (A) (tr@6Ir IS 0.5 AND li (x In) IS 2) (MAKE: SCHNEIDER ELECTRIC)	
			STRINGS INCLUDED	MAXIMUM CAPACITY	FULL LOAD CURRENT @NOMINAL VOLTAGE (480V DC)	FULL LOAD CURRENT @EOD VOLTAGE (384V DC)	BREAKER MODEL NUMBER	BREAKER RATING (A)
29	34	29	2	3	43	54	HJF36100U31X	80

- 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. CABLE ENTRY IS FROM TOP/BOTTOM.
 5. UPS IS DESIGNED FOR A CONTINUOUS 20KW LOAD (TRANSFORMER SIZED AT 20KW) AND SUPPORTS SHORT-TERM PEAK LOADS UP TO 80KW (WITH LOAD SWITCHING BETWEEN 100 MILLISECONDS ON AND 200 MILLISECONDS OFF).
 6. EQUIPMENT GROUNDING CONDUCTOR (EGC)/ GROUND
 7. INPUT SHORT-CIRCUIT CAPACITY: I_{sc}=20kA.
TOTAL HARMONIC DISTORTION (THDI) IS <6% AT 100% LOAD AND INPUT POWER FACTOR IS 0.99 AT 100% LOAD.

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TITLE: GALAXY VS UPS with Input XFMR & Internal Batt. Input: 480V AC 3PH 60Hz (L1,L2,L3,G) SINGLE MAINS Output: 400V AC 60Hz 3PH (L1,L2,L3,N,G) 20kW SYSTEM ONE LINE DIAGRAM

PROJECT: DRAWINGS **SHEET:** 1 OF 1

DWG NO: GVSUPS20K100B3H-SD	REV: 0
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ANGLE PROJECTION N.A