

## INTERCONNECTION WIRING TABLE - UL 60Hz UPS MODULE TO FLYWHEEL MODULE - GE TLE OR SG UPS SYSTEM

Route No.	FROM GE UPS		TO GE Flywheel (Enhanced & Standard)	DESCRIPTION	Maximum Voltage	Maximum Current	TERMINAL TYPE	Comments
	TLE S2 UL	SG UL						
1	UPS DC + TERMINAL		TB4 +	+DC	600 VDC	250A nom @ 500 VDC	(1) #6 AWG to 350 kcmil CU or AL	DC Power Connection to UPS
1	UPS DC - TERMINAL		TB4 -	-DC	600 VDC	250A nom @ 500 VDC	(1) #6 AWG to 350 kcmil CU or AL	
1	UPS POWER GND		GND BUS	POWER GND			(1) #6 AWG to 250 kcmil CU or AL	
2	UPS Terminal XA (+)	UPS Terminal XA - 3	J14-1	24 V UVR +	24 VDC	100mA	(1) #22 - #10 AWG	UVR Control for CB1
2	UPS Terminal XA (-)	UPS Terminal XA - 4	J14-2	24V UVR Common	24 VDC	100mA	(1) #22 - #10 AWG	
2	UPS Terminal CIC X1 / 21		J14-3	AUX N.O.	24 VDC	100mA	(1) #22 - #10 AWG	Used to indicate the position of CB1
2	UPS Terminal CIC X1 / 10		J14-4	AUX COMM	24 VDC	100mA	(1) #22 - #10 AWG	
2	UPS Terminal CIC X1 / 21		J14-5	AUX N.C.	24 VDC	100mA	(1) #22 - #10 AWG	
4	UPS System Critical Bus L1 (see note 6)		TB 1-L1	AUX POWER LINE	600 VAC	10.4A @ 120 VAC	(1) #22 - #10 AWG	UPS-Protected control circuits
4	UPS System Critical Bus L2 (see note 6)		TB1-L2	AUX POWER NEUTRAL	600 VAC	10.4A @ 120 VAC	(1) #22 - #10 AWG	
4	UPS System Critical Bus Ground		TB 1-G	AUX POWER GROUND			(1) #22 - #10 AWG	
5	CUSTOMER OPTION		J1, 2, 3, 6, 7, 8	OPTIONAL REMOTE CONTACTS	120 VAC OR 28 VDC	10A AC OR DC	(1) #22 - #10 AWG	OPTIONAL CUSTOMER CONNECTIONS

**NOTES:**

1. EACH CABLE GROUP MUST BE RUN IN A SEPARATE GROUNDED RIGID METAL CONDUIT TO PREVENT CONTROL SIGNAL INTERFERENCE.
2. REFER TO FACILITIES INTERFACE DIAGRAM FOR LOCATION OF WIRING CONNECTIONS.
3. ALL WIRE FURNISHED BY OTHERS.
4. N.O. = NORMALLY OPEN; N.C. = NORMALLY CLOSED; COMM = COMMON
5. ALL WIRING MUST BE IN ACCORDANCE WITH APPLICABLE NATIONAL AND LOCAL ELECTRICAL CODES.
6. ROUTE 4 MUST COME FROM THE UPS SYSTEM CRITICAL OUTPUT BUS, FUSED OR CB PROTECTED