

HYDROGRN SYSTEM - UPS Test Plan

The following systems are backed up by the UPS and should be on and remain on for the duration of the test (2 hours)

H2 Gas Detection System – Display panel on the Front of the Gas Detection & Cabinet Extraction (GDE Cab) should be on.

H2 Extract Fans – Open GDE Cab and check both Fans A & B are running at 20Hz (To start Fan press Green Run button)

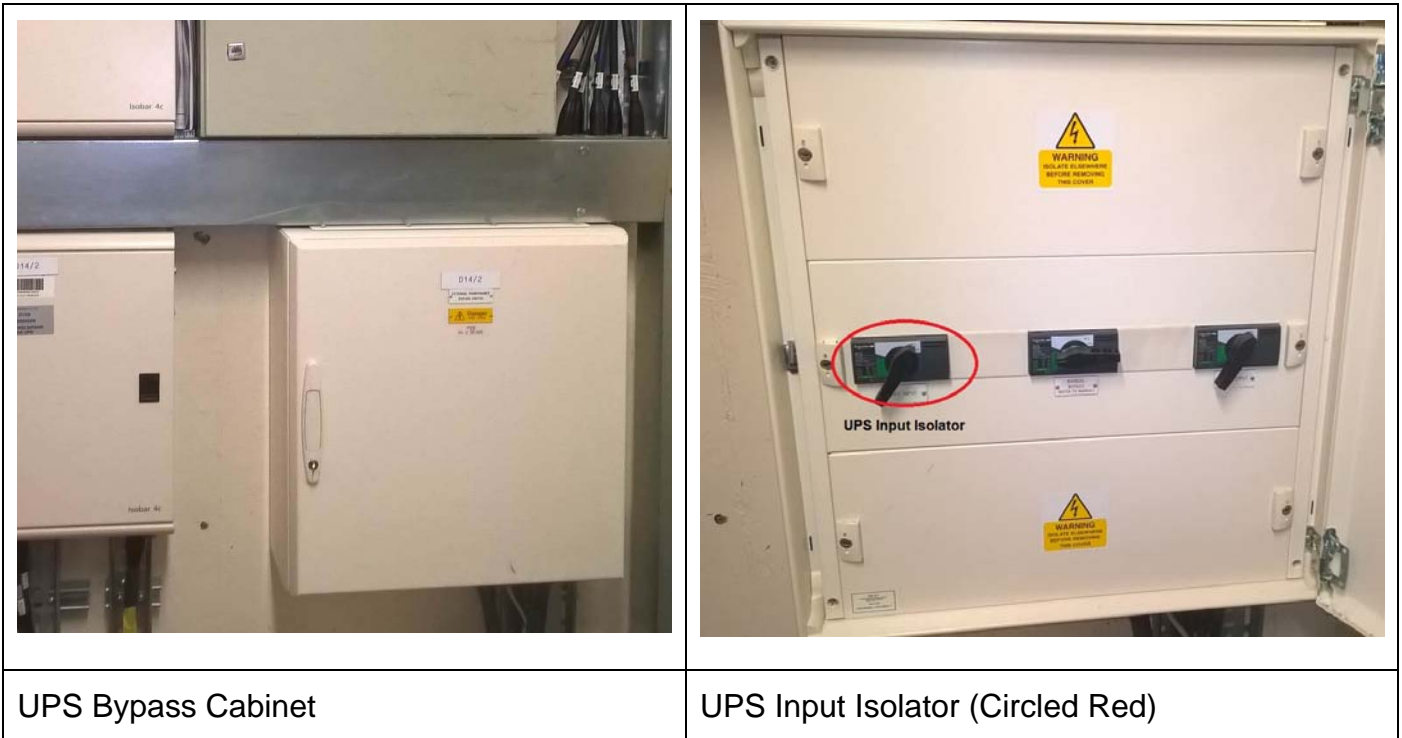
H2 Control System – HMI Screen, Flowmeters, Vac Gauges & 24V Power Supplies (PLC) should be on.

View UPS Display and Note readings (Photo)

Note UPS Test should only be performed with H2 system in a safe state (No H2 in System)

To Start Test

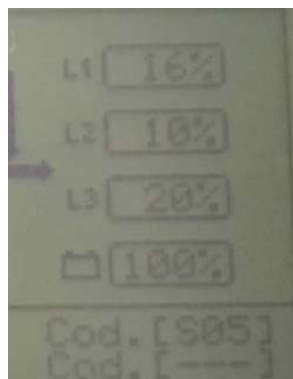
Open UPS Bypass Cabinet and turn Off the UPS Input Isolator



The Systems should continue to operate under UPS back-up power

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View UPS Display and Note readings (Photo)



L1
L2
L3
Batt

Allow System to run for 2 hours – Check at 15 min intervals

Time	Batt	L1	L2	L3
0:00				
0:15				
0:30				
0:45				
1:00				
1:15				
1:30				
1:45				
2:00				

On Completion Restore Incoming Supply – (Turn On the UPS Input Isolator)

Check the UPS Mains is Restored & Batteries are charging