

Load Banks Requirements and Specifications

1. Capacity (KW)
2. Application:
3. AC/DC :
4. Voltage :
5. AC Configuration
 - a. Single phase
 - b. AC 3 Phase Star connection, 3 wire :
 - c. AC 3 Phase Star connection, 4 wire
 - d. AC 3 Phase Delta connection
6. AC Power Factor requirement (if changeable pf required, mention all required pf's)
7. AC frequency (50Hz/60Hz/Other-please mention)
8. Duty cycle (continuous / reduced duty):
9. Reduced Duty Timing (describe expected ON Time and OFF Time)
10. Cooling Type:
 - a. Natural cooling (large size)
 - b. Forced Air cooling (hot air draft directed upwards or sideways)
 - c. Water cooled (water circuit required at site, please mention available water pressure at site)
 - d. Oil cooled
 - e. Oil immersed + water cooled (please mention water pressure available at installation site).
11. Mention any size constraints
12. Loading steps required (we provide standard steps of 1,2,2,5 sequence)
13. Minimum loading step required
14. For AC type, continuously variable loading for 1KW up to 10KW required?
15. Switching requirements (tick whichever is necessary):
 - a. Mains MCB
 - b. Step loading with contactors
 - c. Step loading with MCCB
 - d. Step loading with Cam Switches
16. Metering requirements: Standard configuration consists of separate voltmeters and a smart load manager.
 - a. Separate voltmeter(s)
 - b. Separate ammeters(s)
 - c. Separate frequency meter(s)
 - d. Separate PF meter(s)
 - e. Smart load manager (for measuring power)
17. Remote Terminal Unit required?
18. Cycling requirements (setting up load cycles for)
19. PLC with HMI required?
20. Monitoring and analysis requirements (Please describe type of analysis required from acquired data)