



House of Resistors
Since 1980

APR RESISTRONIC PRIVATE LIMITED

Manufacturer Of: Wire Wound Resistor - Ceramic Encased Resistor – Dynamic Breaking Resistor - Load Bank

APR – STANDARD LOAD BANK - ASLB



What Is Load Bank?

A load bank is a device that develop an electrical load. Which can be applied to check reliability of an electrical power source. APR load bank provides accurate, measurable, variable and consistent electrical load on a power source.

FEATURES:

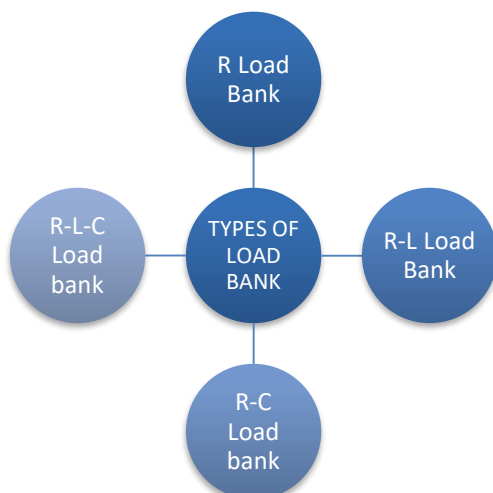
- ✓ Powers 1KW-5KW available in this series
- ✓ 240VAC, 110VAC, 12VDC, 24VDC options available
- ✓ Metering available for quick reference
- ✓ Forced Air cooling for efficient operation
- ✓ Over current and Thermal protection for safe operation

PERFORMANCE CHARACTERISTICS

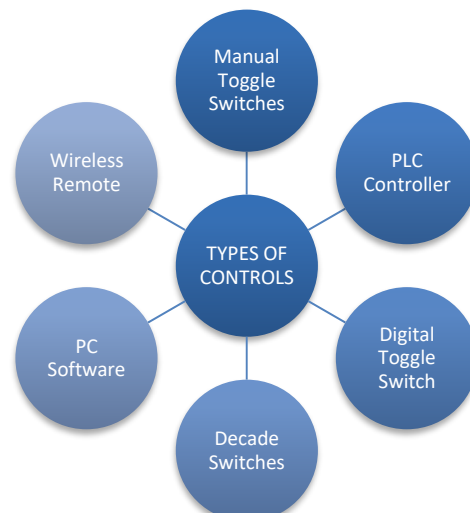
Characteristics	Condition
Rated Power	1kW, 3kW, 5kW
Rated Voltage	240VAC, 110VAC, 12VDC, 24VDC
Insulation Resistance	>500MΩ @500V DC
Dielectric Strength	2500V AC for 1 minute
Load Step resolutions	1KW Load 0.25kW x 4 steps 3KW Load 0.25kW x 2, 0.5kW x 1, 1kW x 2 steps 5KW Load 0.25kW x 2, 0.5kW x 1, 1kW x 2, 2kW x 1 steps

APR – CUSTOMIZED LOAD BANK - ACLB

TYPES OF LOAD BANK



TYPES OF CONTROL



TYPES OF RESISTIVE LOAD BANK



DC RESISTIVE LOAD BANK

This type of load bank gets used to load DC power source. It also gets used as battery discharge resistor. Load can be design specifically as per requirement. There is combination of wire wound resistor inside the bank which gives specific load as per requirement. Rotary switches are used to add or remove load. Both Current & Voltage can be monitored during operation with provided meter. Load indicator lamps are provided on top which shows current selected load.

LOAD BANK CAN BE DESIGN AS PER YOUR REQUIREMENT



AC 3PH RESISTIVE LOAD BANK

This type of load bank gets used to load AC power source. Load can be design specifically as per requirement. There is combination of wire wound resistor inside the bank which gives specific load as per requirement. Rotary switches are used to add or remove load. Both Current & Voltage can be monitored during operation with provided meter. Load indicator lamps are provided on top which shows current selected Load

LOAD BANK CAN BE DESIGN AS PER YOUR REQUIREMENT



AC 1PH RESISTIVE LOAD BANK

This type of load bank gets used to load AC power source.

Load can be design specifically as per requirement. There is combination of wire wound resistor inside the bank which gives specific load as per requirement. Rotary switches are used to add or remove load. Both Current & Voltage can be monitored during operation with provided meter. Load indicator lamps are provided on top which shows current selected Load.

LOAD BANK CAN BE DESIGN AS PER YOUR REQUIREMENT

LOAD BANKS ORDER FORM

1. Capacity (KW) :
2. Application :
3. AC/DC :
4. Voltage :
5. AC Configuration (tick whichever is necessary):
 - 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 (tick whichever is necessary):
 - 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. 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
15. Metering requirements: (tick whichever is necessary):
 - 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)
16. Type of Load Controlling
 - a. Manual Toggle / Cam Switch
 - b. Digital Toggle switch
 - c. PLC Controller
 - d. PC Software Base system
 - e. Wireless Remote
 - f. Decade Switches
17. Monitoring and analysis requirements (Please describe type of analysis required from acquired data)



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