

AC Load Bank

General information about ADLB-119 100KW AC Load Bank:

AC load banks could help highlight a large range of faults on the power supply systems it test. The first goal achieved when testing with AC load bank is to ensure your power supply system is reliable or not by validating the power systems' outputs to its technical specifications. The underlying question that series AC load bank could answer you is "how is my power supply systems constant up time(technical performance) ?" The load bank also tests that the power supply system is not faulty, no faults in construction and components reliable, that the aging of the power supply system is in line with expectations and that there are no pending breakdowns or early signs of wear and tear.

series AC load bank testing offers you whole solutions of predictive failure analysis for UPS(uninterrupted power supply), generator, transformers, PV system, inverter etc, to validate the condition and output of such power systems comprehensively. Integrated AC & DC load bank could be made in one unit or separately with different load voltages as per your need for different applications. Our solutions includes



About load banks resistor:

Highly reliable and durable new alloy resistor is used for the AC & DC load bank. It is thermal shrinkable and seal installed in the stainless steel pipe, whose surface with insulated heat sink. The resistor is moisture-proof, anti-corrosion, good heat dissipation, high insulation resistance, safe and reliable.

load bank control modes:

Two control modes available for AC load banks: The local panel control mode and the remote control mode by PLC through PC software. Local control mode will be locked once load bank is switched to remote control mode. By applying the PLC, we could make load bank an intelligent test system, load power curve could be preset through PC software and all electrical parameters of EUT(equipment under test) including current, voltage, apparent power, active power, reactive power, power factor, frequency and warning info could be achieved automatically by the PC software and displayed by load bank digital meter. Up to 15 load banks at most could be parallel controlled by PC software which generating the test tables, curves and standard test report.



Technical specification of the device:

- Load Element: Alloy resistors
- Load Voltage: AC380V 3 Phase 4 Wire AC220V single phase
- Load Power: 100KW for AC380V 3 Phase 4 Wire 34KW for AC220V single
- Phase
- Load Steps: Load steps for
- PhasA/B/C 100W/200W/200W/500W/1KW/2KW/2KW/3KW/5KW/10KW/10 KW
- Power Factor: PF=1
- Load Accuracy: $\pm 5\%$
- Display: voltage, current, power, reactive power, energy, frequency, displayed by digital meter
- Power Supply: 220V($\pm 10\%$) 50HZ, single phase
- Control Mode: Manual control by MCBs, push button switch
- Remote control by PLC through PC software(optional)
- Wire Connections: Internal terminal for wire connections (wires in/out down cabinet)
- Insulation Class: F
- Protection Level: IP20(indoor use)
- Fan Noise: 75dB
- Cooling Mode: Force-air cooling,
- Work Mode: Continuous work
- Protections: Overheating/Buzzer alarm, short circuit protection, phase sequence protection, Overheating/Over current & voltage protection, emergency stop button
- Dimension: 650*1000*1640mm(W*D*H)
- Ambient Temperature: $-10^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- Mobility: Four wheels, lifting rings in chassis top
- Humidity: $\leq 95\%$
- Altitude: ≤ 2500 meters

