

RESISTIVE AC LOAD BANK

LAC series



1000KW UNIT



50KW UNIT



REMOTE
CONTROL
PANEL

Microprocessor Based Automatic Load Regulator (ALR) Technology

Design Features:

- Safe and user-friendly remote control.
- 1 KW per step load adjustment.
- ALR regulates load to better than 1% throughout accuracy.
- Manual / ALR operation selection.
- Digital display for voltage, current, KW and frequency (optional feature).
- Data logging and computer connectivity (optional feature).

RESISTIVE AC LOAD BANK

| TECHNICAL SPECIFICATIONS | |
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| Load voltage | AC 240V 1Ph. or 415V 3Ph. 50/60Hz. |
| Load power | From 10KW to 1000KW at unity power factor. |
| Load resistors | Stainless steel finned heaters. |
| Load breaker | Load isolation main circuit breaker is equipped. |
| Cooling method | Forced air cooling by fan. |
| Fan power | AC 240V 1Ph. or 415V 3Ph. 50/60Hz with connections seperated from the load connections. |
| Discharging air temperature | Not higher than 150° C above ambient temperature at 1 meter distance from air outlet of enclosure. |
| Control technology | Microprocessor based digital control for high resolution load step (1000steps for 1000KW model). |
| Control mode | Manual or optional automatic mode (ALR). |
| Manual control resolution | 100W per step for 10KW model. 1KW per step for 1000KW model. |
| Automatic control (optional feature) | Control resolution of +/-1KW depending on KW rating, with closed-loop control technology for long term stability and accuracy. |
| Safety | Overload, overtemperature and fan failure alarm activated automatic load shut-down. |
| Remote control panel | High resolution load level programming, step-changing of load between different KW setting, load on/off, manual / ALR selection (when equipped), load on indication and fault indicator. |
| Instrumentation | Analogue voltmeter and ammeter as standard. Optional digital meters for phase voltage, phase current, KW and Hz. |
| Computer connectivity (optional feature) | Data logging of load test result can be stored and latter downloaded to computer via RS232 interface for the preparation of test report and hard copy printout. |
| Indicators | Three phase load voltage, load connected, overtemperature and fan failure. |
| Enclosure | Indoor or outdoor applicable electro-galvanised (EG) mild steel clad construction with polyester finishing according to KW rating and application. |
| Dimension and weight | Design can be tailored to meet customers' requirements. |
| Ambient temperature | 0 to 40° C |
| Altitude | Below 1000 meter above sea-level. |
| Relative humidity | 0 to 90% non-condensing. |

Note: All data are for reference purpose only. Detail and accurate data shall be based on individual proposal.