

LOAD BANK KPLB-600



KEYPOWER LOAD BANK:

- * Frequency: 50/60 Hz;
- * Voltage range: AC 110-690V;
- * Duty: Continuous;
- * Cooling system: Industrial grade axle fans;
- * Discharged air direction: horizontal for 100 kw, vertical for larger models;
- * Control power phase: Single-phase, two-wire for 500 kw and below; three-phase, four-wire for larger models.

GENERAL SPECIFICATIONS

| | | |
|--|-----------------------------|--|
| | Model | KPLB-600 |
| | Capacity | 600kW |
| | Type of load | Resistive |
| | Power factor | 1 |
| | Duty cycle | Continuous |
| | Cooling system | Industrial grade axial fan |
| | Cooling mode | Forced air-cooled |
| | Airflow | Vertical discharge |
| | Phase | Available at both single and three phase |
| | Rated testing voltage | 3P3W 110 - 690V |
| | Rated frequency | 50Hz / 60Hz |
| | Number of fans | 4 |
| | Control power input voltage | 3P4W 380-480V |



FREQUENCY



DRY TYPE



FORCED AIR COOLED



SOUNDPROOF

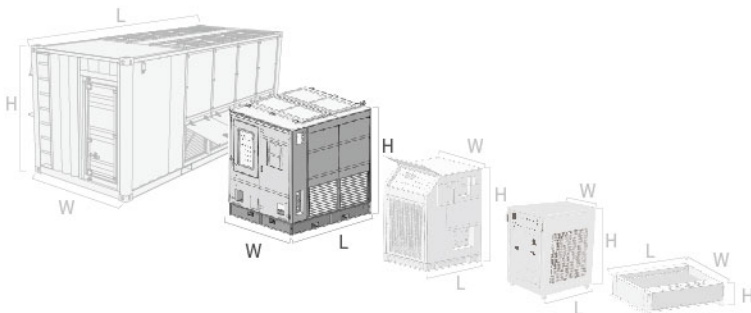


CERTIFICATION



ISO 9001

Dimension and Weight



1500-6000KW

200-1400KW

100KW

50KW

3-10KW

DIMENSION

KPLB-600

| | | | |
|--|------------|----|------|
| | Length (L) | mm | 2100 |
| | Width (W) | mm | 1730 |
| | Height (H) | mm | 2000 |
| | Weight | kg | 1600 |

KEYPOWER has the right to modify any feature without prior notice. Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing. The illustrations and images are indicative and may not coincide in their entirety with the product. Industrial design under patent.

Technical Specifications

| PERFORMANCE PARAMETER | |
|------------------------------------|---|
| Ambient Temperature | -10°C ~ +55°C |
| Relative Humidity | ≤98% ventilated environment without explosive or corrosive dust |
| Altitude | ≤3000m above sea level |
| Wire Connection | Socket / Terminal |
| Load Tolerance (each step) | ±5% |
| Load Tolerance (overall) | ±3% |
| Enclosure | Canopy type |
| Parameter measuring accuracy grade | 0.5 |
| Noise level | 75 dBA @ 1m (Control panel side) |
| Enclosure protection class | IP 23 |
| Forklift handling | Yes |

| CONTROL PANEL | |
|--------------------------|--|
| Control mode (Standard) | Local control |
| Control mode (Optional) | Remote control |
| Remote control distance | ≤100 m |
| Load step | 0-10kW*1, 10kW*3, 20kW*3, 50kW*2, 100kW*4 (non-intelligent type) 0-10kW*1, 10kW*3, 20kW*3, 50kW*2, 100kW*4 (intelligent type) |
| Load bank protections | Fan failure alarm / Overload alarm / Overvoltage alarm / Overheating alarm |
| Multi functions display | voltage, current, load power, reactive power, apparent power, power factor, frequency etc. |
| One-step load/unload | Yes |
| Emergency stop | Yes |
| Phase sequence indicator | Yes |

Optional Items for Load Bank:



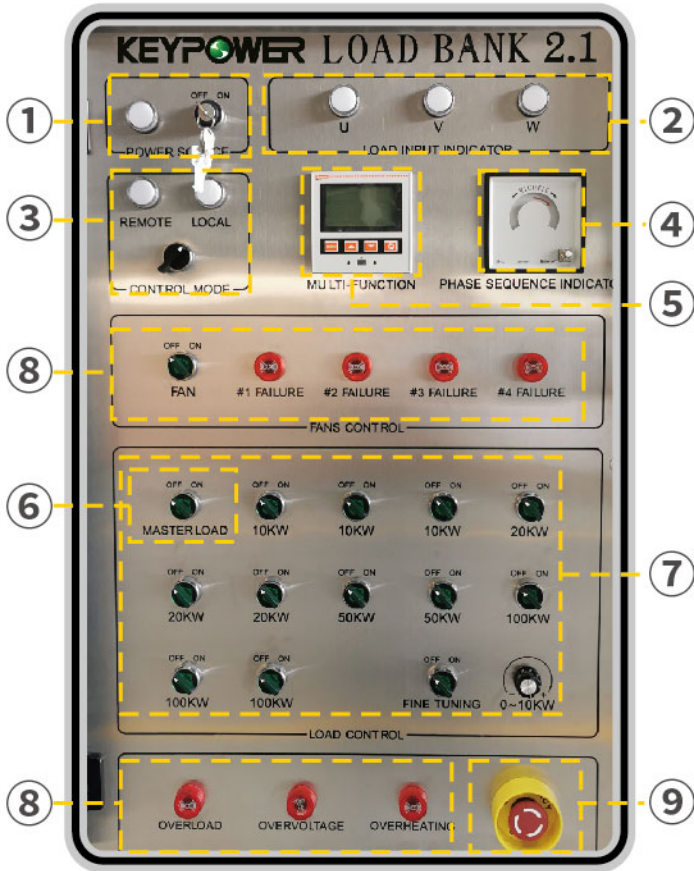
- Capacitive/Inductive/Resistive load bank with different power factor
- Intelligent control
- Laptop for remote control
- Generator tester
- Multi-voltage
- Water-proof cover for air outlet (200-1400KW)
- Air deflecting duct for containerized load bank
- Space heater
- Cable connector
- Galvanized sheet canopy
- Wheels for < 500KW load bank
- Trailer

| RESISTOR FEATURES | |
|------------------------|------------------------------|
| Material | Stainless steel |
| Cooling mode | Forced air cooling |
| Temperature resistance | 500 ~ 600°C |
| Load Tolerance | ±5% |
| Warranty | 3 years with unlimited hours |

304 STAINLESS STEEL RESISTORS



Control Panel

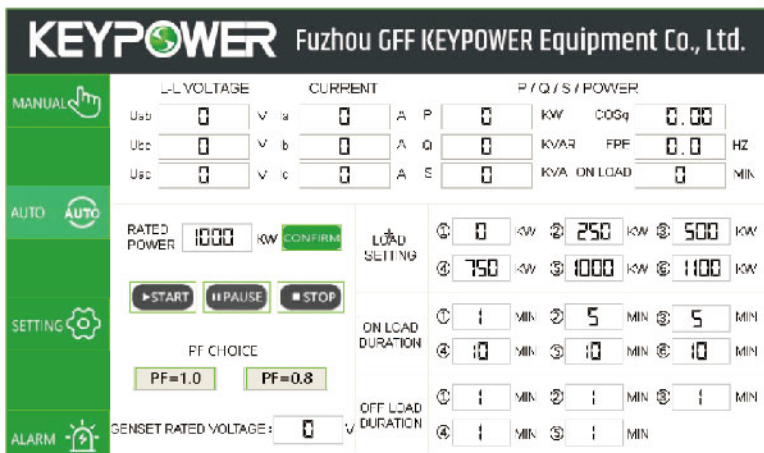


| MANUAL CONTROL | FUNCTION |
|------------------------------|--|
| ① Turn on / off power source | Tested power source input |
| ② Load input indicator | Indicate U V W load input normal or not |
| ③ Control mode selection | Choose control mode: Local manual control / Touch screen control / Remote control |
| ④ Phase sequence indicator | Indicate phase sequence of tested power right or not |
| ⑤ Multi-function meter | Show testing parameters |
| ⑥ Master load on / off | One step loading / unloading |
| ⑦ Load Steps | Loading / unloading |
| ⑧ Alarm | Load bank protection: Fan failure alarm / Overload alarm / Overvoltage alarm / Overheating alarm |
| ⑨ Emergency stop button | Emergency stop |

In addition to all manual control functions, Intelligent/remote control also contains the following functions:

- Touch screen control/remote control
- Auto loading/unloading test
- Data setting

Intelligent control system with **Mitsubishi**[®] PLC



Intelligent Control Interface