LOAD BANK

KPLB-1625

KEYPOWER®
Anytime Anywhere, Power Solutions

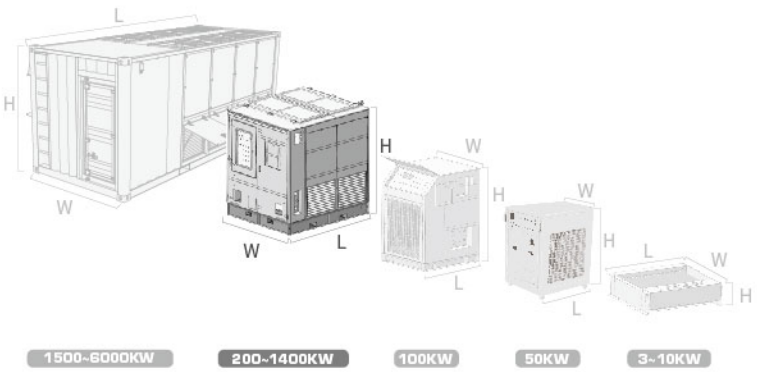
KEYPOWER LOAD BANK:

- 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-1625
Capacity	1625KVA/1300kW
Type of load	Resistive & inductive load
Power factor	0.8/1.0
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	6
Control power input voltage	3P4W 220 - 480V

50/60 HZ FREQUENCY | DRY TYPE | FORCED AIR COOLED | SOUNDPROOF | CERTIFICATION | ISO 9001

Dimension and Weight



DIMENSION		KPLB-1625
Length (L)	mm	3500
Width (W)	mm	2270
Height (H)	mm	2150
Weight	kg	6100

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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	83 dBA @ 1m
Enclosure protection class	IP 23
Forklift handling	Yes

CONTROL PANEL	
Control mode (Standand)	Local control
Control mode (Optional)	Remote control
Remote control distance	⩽100 m
Load step	0-10kW*1, 10kW*3, 20kW*3, 50kW*2, 100kW*11 / 0-8kvar*1, 8kvar*3, 15kvar*3, 38kvar*2, 75kvar*11 (non-intelligent type)
	0-10kW*1, 10kW*3, 20kW*3, 50kW*6, 100kW*9 / 0-8kvar*1, 8kvar*3, 15kvar*3, 38kvar*6, 75kvar*9 (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	304 STAINLESS STEEL RESISTORS
Material	Stainless steel
Cooling mode	Forced air cooling
Temperature resistance	500 ~ 600°C
Load Tolerance	±5%
Warranty	3 years with unlimited hours

INDUCTOR FEATURES	INDUCTIVE TYPE
Insulation level	Class H
Operating temperature	-25 ~ 60°C
Flame retardant rating	UL94 - V0
Surface treatment	Conformal coating
Fastener treatment	Hot-dip galvanized
Overall treatment	Vacuum impregnation varnish

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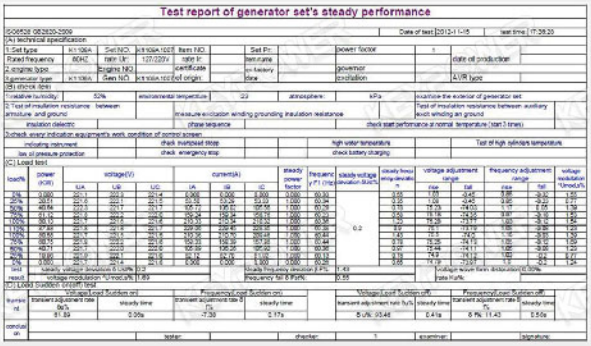
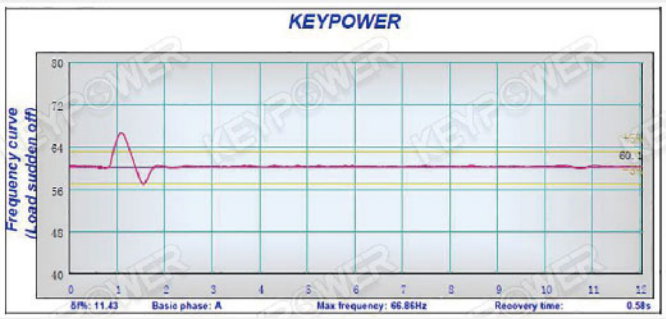
Generator Tester Function

GENERATOR TESTER

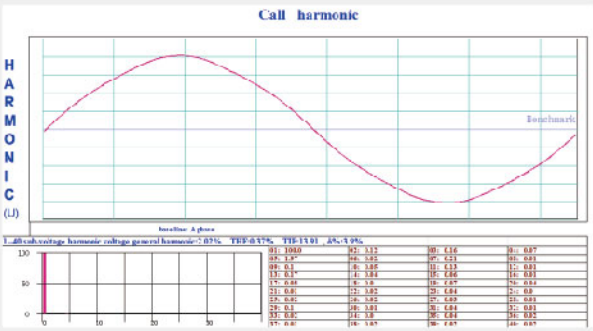
TEST REPORT


Test report of generator set's steady performance

FREQUENCY AND VOLTAGE CURVES



HARMONIC CURVE



This generator tester can measure most electric parameters of a single-phase or three-phase AC generator. The standards it complied with are GB/T 2820-1997 and GB 2820-90. The signal frequency can be measured varies from 45 Hz to 65Hz. You can select one wiring mode from four modes – 1Φ2W, 3Φ3W, 3Φ4W and 3V3A. The following table shows the parameters: It's the best way to replicate, prove and verify the real-life demands on critical power systems.

MEASUREMENT MODE	PARAMETERS
Normal	Voltage, Current, Active Power, Reactive Power, Apparent Power, Power Factor, Frequency, Energy runtime, Imbalance degree of Voltage
Harmonic	Voltage & Current: 2~50th order and the THD (Total harmonic distortion)
Adjustment	In 100 seconds: Records the maximum & minimum value of Voltage & Frequency. Calculates the increase & decrease range of Voltage & Frequency and the percentage of adjustment.
Fluctuation	In 60 seconds: Records the maximum & minimum value of Voltage & Frequency. Calculates the NORMAL frequency rang, NORMAL voltage offset, voltage modulation, percentage of fluctuation and frequency.
Load	In 12 seconds: Records the minimum value of Voltage & Frequency. Records the maximum value of Current and the recovery time. Calculates the offset of Voltage & Frequency.
Unload	In 12 seconds: Records the maximum value of Voltage & Frequency. Record the minimum value of Current and the recovery time. Calculates the offset of Voltage & Frequency.
Wave Record	Records the real-time voltage waves by five optional modes. The recording time is between 5 seconds and 5 minutes by different modes.

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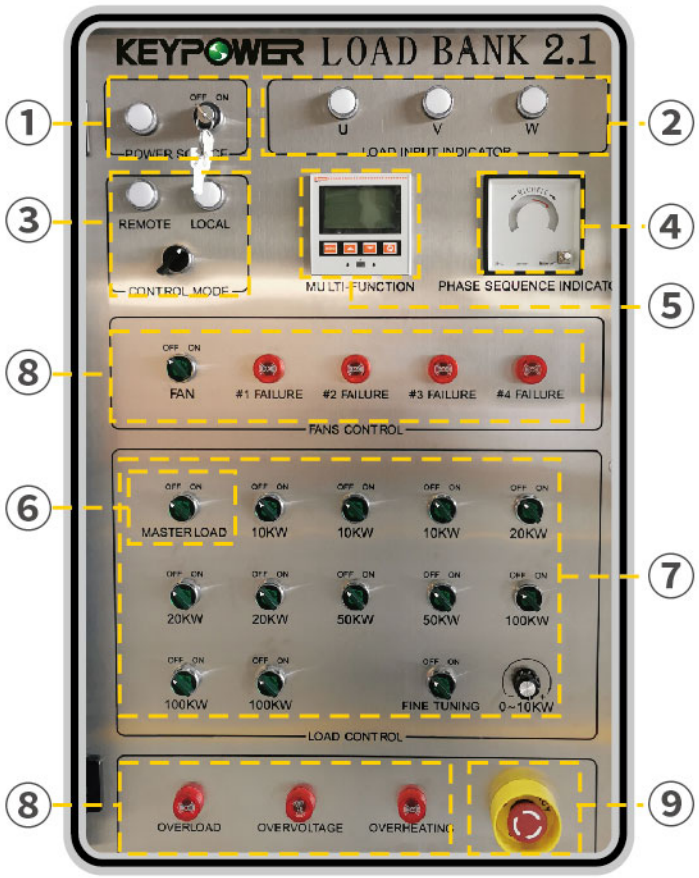
Control Panel

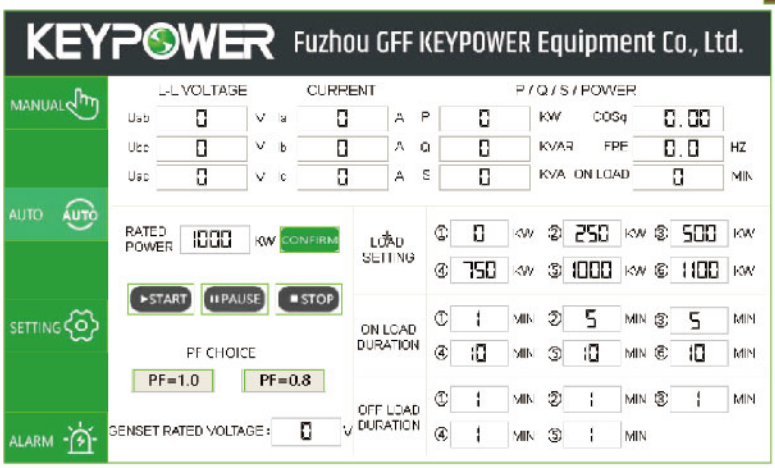


MANUAL CONTROL		FUNCTION
①	Turn on / off power source	Tested power source input
②	Load imput indicator	Indicate U V W load imput normal or not
③	Control mode selection	Choose control mode: Local manual control / Touch screen control / Remote control
④	Phase sequence indicator	Indicate phase sequence 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

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