



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-3500	
•	Capacity	2800kW/3500kVA	
	Type of load	Resistive & inductive	
	Power factor	0.8-1.0	
•	Duty cycle	Continuous	
1_	Cooling system	Industrial grade axial fan	
FORTH	Cooling mode	Forced air-cooled	
	Airflow	Vertical discharge	
3	Phase	Available at both single and three phase	
W	Rated testing voltage	3P3W 110 - 690V	
50/60 HZ	Rated frequency	50Hz / 60Hz	
②	Number of fans	8	
_©	Control power input voltage	3P3W 220 - 480V	





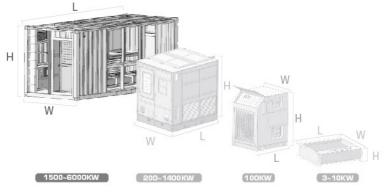








Dimension and Weight



DIMENSION		KPLB-3500	
Ength (L)	mm	6058	
Width (W)	mm	2438	
Height (H)	mm	2591	
Kg Weight	kg	17800	

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	ISO 20ft container	
Parameter measuring accuracy grade	0.5	
Noise level	91 dBA @ 1m	
Enclosure protection class	IP 54	
Forklift handling	No	

CONTROL PANEL			
Control mode (Standand)		Local manual control	
Control mode (Optional)		Intteligent / remote control	
Remote co	ntrol distance	≤100 m	
Load step	10kW/8kvar*4, 20kW/15kvar*3, 50kW/38kvar*2, 100kW/76kvar*8, 200kW/152kvar*9, (non-intelligent type)		
	10kW/8kvar*13, 20kW/15kvar*6, 50kW/38kvar*7, 100kW/76kvar*8, 200kW/152kvar*7, (intelligent type)		
Load bank protections		Fan failure alarm/Overload alarm/ Overvoltage alarm/Overheating alarm/ Low airflow alarm/Maintenance door open alarm/Control power failure/ Fault reset	
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 FEA	TURES	304 STAINLESS STEEL RESISTORS
Material	Stainless steel	
Cooling mode	Forced air cooling	2007/10/11/20
Temperature resistance	500 ~ 600°C	
Load Tolerance	±5%	
Warranty	3 years with unlimited hours	

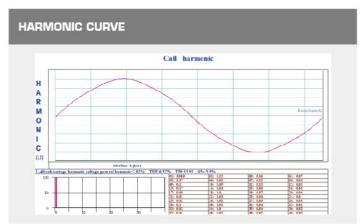
INDUCTOR FEA	TURES	INDUCTIVE TYPE
Insulation level	Class H	
Operating temperature	-25 ~ 60°C	
Flame retardant rating	UL94 - VO	
Surface treatment	Conformal coating	Production and the
Fastener treatment	Hot-dip galvanized	
Overall treatment	Vacuum impregnation varnish	



Generator Tester Function



Test report of generator set's steady performance | Control projects | Control projects

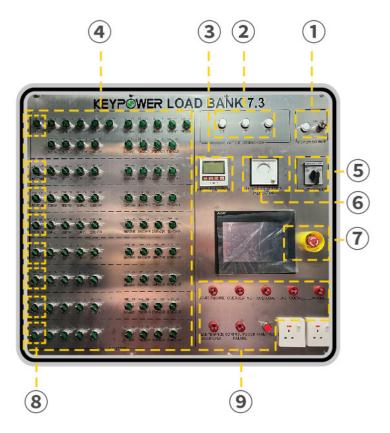


This generator tester can measure most electric parameters of a single-phase or three-phase AC generator. The standards it complied with are GB/T 2820-1997 and GB 2820-90. The signal frequency can be measured varies from 45 Hz to 65Hz. You can select one wiring mode from four modes – 1Φ 2W, 3Φ 3W, 3Φ 4W 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. Cathe 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.



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	Multi-function meter		Show testing parameters
4	Master load on / off		One step loading / unloading
(5)	Control mode selection		Choose control mode: Local manual control / Touch screen control / Remote control
6	Phase sequence indicator		Indicate phase sequence of tested power right or not
7	Emergency stop button		Emergency stop
8	Load Steps		Loading / unloading
9	Alarm Load bank protection: Fan failure alarm / Overloa alarm / Overvoltage alarm / Overheating alarm / Low airflow alarm / Maintenance door open alarm / Control power failure		
In addition to all manual control functions, Intelligent/remote control			

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

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

Intelligent control system with

Mitsubishi® PLC



