

# LOAD BANK KPLB-125



### KEYPOWER LOAD BANK:

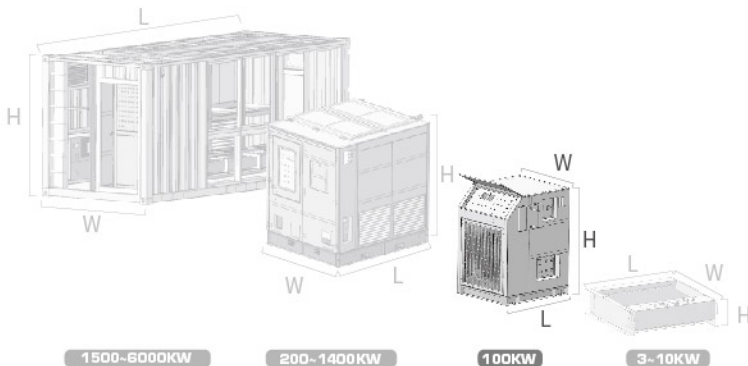
- \* Frequency: 50/60 Hz;
- \* Voltage range: AC 110-690V;
- \* Duty: Continuous;
- \* Cooling system: Industrial grade axle fans;
- \* Discharged air direction: horizontal for 100 kw, vertical for larger models;
- \* Control power phase: Single-phase, two-wire for 500 kw and below; three-phase, four-wire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

### GENERAL SPECIFICATIONS

	Model	KPLB-125
	Capacity	100kW/125kVA
	Type of load	Resistive & inductive
	Power factor	0-1.0
	Duty cycle	Continuous
	Cooling system	Industrial grade axial fan
	Cooling mode	Forced air-cooled
	Airflow	Horizontal 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	1P2W 110 - 240V



## Dimension and Weight



### DIMENSION

### KPLB-125

	Length (L)	mm	1560
	Width (W)	mm	1310
	Height (H)	mm	1650
	Weight	kg	1600

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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	75 dBA @ 1m
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*1, 20kW*4 (non-intelligent type)
	0-10kW*1, 10kW*3, 20kW*3 (intelligent type)
Load bank protections	Overload alarm/Overvoltage alarm/ Fan failure 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:



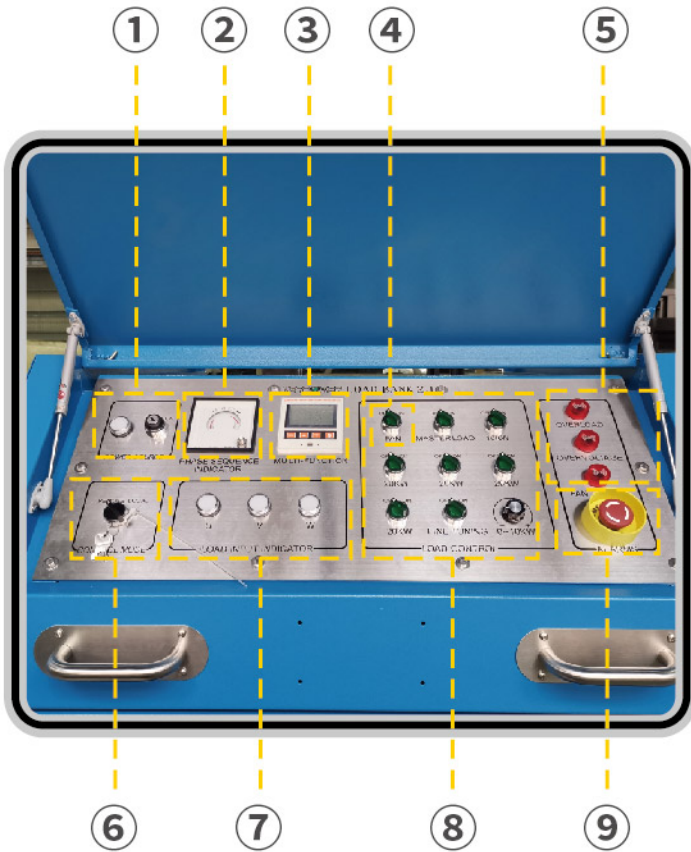
- Capacitive/Inductive/Resistive load bank with different power factor
- Intelligent control
- Laptop for remote control
- Generator tester
- Multi-voltage
- Water-proof cover for air outlet (200-1400KW)
- Air deflecting duct for containerized load bank
- Space heater
- Cable connector
- Galvanized sheet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



## Control Panel



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



**KEYPOWER** Fuzhou GFF KEYPOWER Equipment Co., Ltd.

MANUAL	L-L VOLTAGE		CURRENT		P / Q / S / POWER			
	Uab	0 V	Ia	0 A	P	0 KW	COSt	0.00
	Ubc	0 V	Ib	0 A	Q	0 KVAR	FPF	0.0 HZ
	Uca	0 V	Ic	0 A	S	0 KVA	ON LOAD	0 MIN
AUTO	RATED POWER: 1000 KW <input type="checkbox"/> CONFIRM		LOAD SETTING		0 KW	250 KW	500 KW	
SETTING	<input type="button" value="START"/> <input type="button" value="PAUSE"/> <input type="button" value="STOP"/>		ON LOAD DURATION		1 MIN	5 MIN	5 MIN	
	PF CHOICE: <input type="button" value="PF=1.0"/> <input type="button" value="PF=0.8"/>		OFF LOAD DURATION		1 MIN	1 MIN	1 MIN	
ALARM	SENSE RATED VOLTAGE: 0 V				1 MIN	1 MIN	1 MIN	

Intelligent Control Interface