

Load Bank, High Power Resistor Box

● Unparalleled Experience

ZENITHSUN has over 20-years' experience, owning professional R&D load bank team, production group, impeccable testing strategy and equipments, in finding the correct load test solutions tailored to meet customers demands to produce kinds of sorts and styles of load banks, varying from 1kw-10MW, including solutions for DC and AC testing. Digital meters are available Load bank purchasing from ZENITHSUN provide customers with flexible and convenient solutions for load testing, with a wide range of loadbank specifications and delivery options.

● Types Of Load Bank

- 1.AC or DC;3 phase or single phase
- 2.Fixed or variable/Adjustable type.
- 3.Fans cooling or water cooled.
- 4.Induction or non-induction.
- 5.Power Rating scope:1KW-10MW
- 7.Working Voltage:DC/AC12V-630V
- 8.Resistance Value Scope:0.1Ω-10KΩ

● Construction:

- 1.An assembly-type enclosure contains DR series or DQ series or AS series or other high power rating resistors ,connected in series or in parallel.
- 2.The cabinet enclosure is steel structure owning good performance in shock resistance, coated with scratch-resistance powder-coat paint and high-temperature system to form glossy cover,insulation and looking protective face ,many colours are available.
3. There are ventilation holes in the enclosure for better dissipation.Prevention rain and dust cover are installed on the top of cabinet. (installed in outdoor or indoor are available)Dissipating heat fan and temperature protection device installation are available
- 4.Portable,lighweight construction with casters,lifting eyes and lift truck channels make is easy to maneuver. Four glove-ready handles for moving and lifting.

● Features:

- 1.ZENITHSUN load bank is a continuous duty,portable,lightweight load bank that is easily transport, set up and operated by one technician.
- 2.High-power rating,good dissipation heat,low temperature coefficient,long life,suitable for long time load working.
- 3.Small size,great exterior,styles diversification.

● Applications:

- 1.Standard generator testing;
- 2.Power supply equipment
- 3.Battery discharge
- 4.Frequency converters
- 5.Elevator
- 6.Hoisting machinery and construction machinery.
- 7.Rolling mill ,Farrowed machine, centrifuge
- 8.UPS power;
- 9.Generator ,transformers
- 10.Starting,braking,speed regulation and load setting
- 11.Medical treatment,motor vehicle,armed forces and industrial control environment.

● Specifying A Load Bank

- 1.Resistance value and purpose of load required(Kw/Kva)?
- 2.Have any size required?
- 3.Test Voltage?
- 4.AC or DC test supply?
- 5.If AC,is it single or three-phase,what frequency?
- 6.If variable/adjustable,what the load steps ?
- 7.Resistive(Unity/1 power rating)?
- 8.Is remote control required?
- 9.Loadbank control type?
- 10.Need to instal digital meters(to show voltage,current,frequency and power)?

● How To Order

AC380V	3phase	100KW	10Ω	K
①	②	③	④	⑤

- ① Voltage:AC or DC ,220V or 380V or Other
- ② Phase voltage:Single-phase or Three -phase
- ③ Rated Power (W): 1KW-10MW
- ④ Resistance Value(Ω):0.1Ω- 100KΩ
- ⑤ Tolerance(%):±1%,±2%,±5%,±10%

● Power And The Corresponding Parameters

50-150KW,3Phase AC/DC Variable Loadbank,380-480V,50-60Hz,Resolution is 1kw								
Power Rating	DR or DQ series	Dimension(mm)			Fans Spec.		Weight(kg)	Spares
	D*L=100*500(mm)	L	W	H	Diameter(mm)	Q'ty(set)		
50KW	18pcs	700	800	1200	150	8	140	Voltmeter, Ammeter Fans
60KW	21pcs	800	800	1200	150	12	160	
70KW	24pcs	800	800	1400	150	12	190	
					250	2		
80KW	27pcs	800	800	1400	150	16	210	
					250	2		
100KW	33pcs	800	1000	1400	250	8	240	
120KW	39pcs	800	900	1600	250	10	260	
150KW	48pcs	1000	1100	1600	900×900×400	1	340	

We can do the load banks following customer special requirement.

200-2000KW,3Phase AC/DC Variable Loadbank,380-480V,50-60Hz,Resolution is 10kw								
Power Rating	DR or DQ series	Dimension(mm)			Fans Spec.		Weight(kg)	Spares
	D*L=100*600(mm)	L	W	H	Diameter(mm)	Q'ty(set)		
200KW	39pcs	1150	1100	1300	1060×1060×400	1	350	Voltmeter, Ammeter Fans
300KW	57pcs	1400	1100	1400	1220×1220×400	1	460	
500KW	93pcs	1200	2500	1500	1060×1060×400	2	700	
700KW	123pcs	1200	2800	1500	1220×1220×400	2	900	
800KW	143pcs	1500	2800	1800	1220×1220×400	2	1050	
1000KW	183pcs	1500	2800	2100	1060×1060×400	4	1300	
1200KW	219pcs	1500	3000	2300	1060×1060×400	4	1800	
1500KW	273pcs	3600	1500	2300	1060×1060×400	6	2300	
1800KW	330pcs	4400	1500	2300	1060×1060×400	8	2600	
2000KW	363pcs	4600	1500	2300	1060×1060×400	8	2800	

We can do the load banks following customer special requirement.

Variable / Adjustable Load Bank By Hand						
Power Rating	Dimension(mm)			Fans Spec.		Weight(kg)
	L	W	H	Diameter(mm)	Q'ty(set)	
1KW	400	150	300	\	\	8
2KW	580	150	300	\	\	10
3KW	680	150	300	\	\	11
4KW	500	200	350	\	\	12
5KW	580	250	350	120	2	14
6KW	680	250	350	120	2	16
10KW	750	350	350	150	2	20

We can do the load banks following customer special requirement.

AC/DC Fixed Load bank							
Power	Dimension(mm)			Fans Spec.		Weight(kg)	Spares
Rating	L	W	H	Diameter(mm)	Q'ty(set)		Voltmeter,Ammeter,Fan
1KW	400	150	200	\	\	5	\
1.5KW	550	150	200	\	\	6	\
2KW	600	150	200	\	\	7	\
3KW	550	250	250	120	2	9	\
4KW	600	250	250	120	2	10	\
5KW	680	250	250	120	2	11	\
6KW	590	400	250	120	2	12	\
8KW	680	400	250	150	2	20	\
10KW	680	450	400	150	2	23	Fans
15KW	750	450	400	150	2	25	Voltmeter,Ammeter,Fans
20KW	680	450	550	150	6	30	Voltmeter,Ammeter,Fans
25KW	750	450	550	150	6	35	Voltmeter,Ammeter,Fans
30KW	750	450	750	150	6	42	Voltmeter,Ammeter,Fans
40KW	850	650	940	150	8	55	Voltmeter,Ammeter,Fans
				250	2		
50KW	750	650	1180	150	8	70	Voltmeter,Ammeter,Fans
				250	2		
60KW	850	650	1210	150	6	85	Voltmeter,Ammeter,Fans
				250	2		
70KW	850	650	1450	150	8	100	Voltmeter,Ammeter,Fans
				250	2		
800KW	900	1050	970	150	8	130	Voltmeter,Ammeter,Fans
				250	2		
100KW	900	750	1450	150	12	160	Voltmeter,Ammeter,Fans
				250	2		
We can do the load banks following customer special requirement,Voltmeter and Ammeter according to							
customers need to install.							



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For more types, please contact us for the details.