



## LB-Custom-EV Load Banks



LB-CUSTOM-EV

### Product Overview

Eagle Eye's LB-CUSTOM-EV series of customized DC load banks feature unique design and excellent performance. There are a number of non-constant current discharge models to cover a wide voltage range and a current up to 2000A. While primarily for testing EV charger capacity, these load banks can also be used across a wide range of applications, including telecom, power utility, data center, forklift and others. Users can easily control via manual local push button, circuit breaker or PC remote control.

### Key Features

- **State-of-the-Art Design:** Rugged construction with a user-friendly control panel.
- **Versatile Application:** Ideal for DC load tests where constant current discharge is not required.
- **Customizable Power Control:** Sectionalized control allows for tailored load step and time settings.
- **Real-Time Monitoring:** LCD meter displays test current, voltage, power, and time in real-time.
- **Flexible Control Modes:** Operate via circuit breaker, local push button, or PC control.
- **Comprehensive Protection:** Features over-voltage and over-temperature protection, along with an emergency stop button.
- **Advanced Load Element:** Utilizes the latest high-density power load element for enhanced safety and durability.
- **Efficient Ventilation:** Axial flow fans provide quick ventilation with low noise.
- **Custom Models Available:** Various voltage and current models can be customized upon request.

### Technical Specifications

<b>Power Factor</b>	1	<b>IP Rating</b>	IP20 for indoor use
<b>Load Accuracy</b>	±5%	<b>Insulation Class</b>	F
<b>Way of Display</b>	Real time display of voltage, current, power, frequency and other parameters	<b>Way of Control Mode (3 Options)</b>	<b>Standard:</b> Local manual control with circuit breakers or push buttons <b>Optional:</b> Control via local touch screen tablet <b>Optional:</b> PC software remote control with RS485 connection with load bank
<b>Way of Wiring</b>	L1, L2, L3 & N	<b>Fans Noise</b>	75db
<b>Power Supply</b>	Single phase AC230V/50Hz	<b>Cooling</b>	Forced air cooling, air inlets from bottom and outlet to the top
<b>Working Mode</b>	Could work continuously	<b>Power Factor</b>	Single phase AC230V/50Hz
<b>Protection</b>	Emergent stop button, over temperature alarm and over temperature/over voltage protection	<b>Standard Parts</b>	Load bank, AC power cord and RS485-USB cable (if with PC remote control) <b>Optional parts:</b> load cable with customized length
<b>Operation Temperature</b>	-10°C~+50°C	<b>Altitude</b>	≤2500 meters
<b>Humidity</b>	5%~90% Relative humidity	<b>Mobility</b>	4 rolling wheel

#### Model Specific: 30kW-AC400V

<b>Rated Voltage</b>	3 phase 4 wire 400Vac, 50Hz
<b>Input Rated Power</b>	3 phase 4 wire 30KW
<b>Power Step</b>	1KW, 2KW, 2KW, 5KW, 10KW, 10KW 3 phase synchronized control. All steps could be combined arbitrarily.
<b>Power Range</b>	1KW-30KW adjustable
<b>Dimensions L x W x H</b>	App. 24 x 30 x 31.5 in (600 x 750 x 800 mm)
<b>Weight</b>	App. 155 lbs (70 kg)

#### Model Specific: 40kW-AC440V

<b>Rated Voltage</b>	3 phase 4 wire 440Vac, 50Hz
<b>Input Rated Power</b>	3 phase 4 wire 40KW
<b>Power Step</b>	1KW, 2KW, 2KW, 5KW, 10KW, 10KW, 10KW, 20KW 3 phase synchronized control. All steps could be combined arbitrarily.
<b>Power Range</b>	1KW-40KW adjustable
<b>Dimensions L x W x H</b>	App. 24 x 30 x 40 in (600 x 750 x 1000 mm)
<b>Weight</b>	App. 176 lbs (80 kg)