DC-50KW-750V

50kW DC750V DC Load Bank

The DC-50KW-750V is a medium-voltage DC load bank for 20~50kW DC projects, with 1kW minimum step and contactor control. Quick-connect plug or busbar input is optional, supporting manual and programmable modes, with multiple protections for safety and reliability.

Product Introduction

The 50KW-R high-power load bank is a mobile, purely resistive load device designed for power system testing, data center testing, new energy equipment verification and industrial electrical testing.
It uses modular resistive load technology, with a rated power of 50kW and support for both three-phase AC and DC operating modes. Input voltage, connection interfaces and power adjustment can be customized to customer test requirements.
The compact mobile enclosure has industrial casters for rapid deployment in laboratories, production facilities and engineering project sites.



Features

- Suitable for 20~50kW DC load testing
- 1kW minimum step adjustment
- Quick-connect plug / busbar input optional
- Manual and programmable control modes
- Stable and reliable long-term operation
- Multiple protections: over-temp alarm, fan interlock, short / over-voltage / over-current

W	H	D
850	740	550

标配 C13-C14 电源线；其他接口按现场 PDU 标准确认。

电源线 / 连接器可选类型

多种规格可选，满足不同国家和行业的使用需求

01 国标线

3*1.5 mm²



线规	3×1.5 mm²
线长	线长可定制（标配1.5 m）
插头类型	国标三插
适用地区	中国大陆
适用设备	常规设备、机柜设备

02 C13 C14 欧标线

3*1.5 mm²



线规	3×1.5 mm²
线长	线长可定制（标配1.5 m）
插头类型	C14 公头
插座类型	C13 母座
适用地区	欧标 / 通用
适用设备	IT设备、服务器显示器等

03 C13 C20 线

3*1.5 mm²



线规	3×1.5 mm²
线长	线长可定制（标配1.5 m）
插头类型	C20 公头
插座类型	C13 母座
适用地区	通用
适用设备	大功率设备、机柜设备

04 C19 C20 线

3*1.5 mm²



线规	3×1.5 mm²
线长	线长可定制（标配1.5 m）
插头类型	C20 公头
插座类型	C19 母座
适用地区	通用
适用设备	服务器、工业设备高功率应用

05 63A 工业连接器

（按需定制）



电流	63 A
电压	380-415 V（可定制）
线长	线长可定制
适用场景	三相大功率设备 工业测试、数据中心等

06 单相32A工业连接器

（按需定制）



电流	32 A
电压	200-250 V（可定制）
线长	线长可定制
适用场景	单相大功率设备 工业测试、机柜设备等

Technical Parameters

Item	Value
Product Type	DC load bank
Rated Power	50kW
Rated Voltage	DC750V
Project Range	20~50kW DC projects optional
Power Adjustment	1kW minimum step
Control Mode	Manual / Programmable
Control Structure	Contactor control
Input Method	Quick-connect plug / busbar input optional
Display Parameters	Voltage, current, power
Protection	Over-temp alarm, fan interlock, short / over-voltage / over-current
Dimensions	W850 × H740 × D550 mm
Weight	90kg

Design & Applications

Applications: energy storage inverter testing, PV inverter verification, DC power supply burn-in, charging pile testing.

Design: forced air cooling, contactor step control; quick-connect / busbar dual input optional.

Installation: quick-connect plug or busbar connection, caster-mounted, reliable grounding.