

Automotive Power Failure Simulator

PFS 1500V300 A



- TS_TG1-030-1
- TS_TG1-039-2
- TS_TG1-048-1

Features

- > 5.7-inch color TFT touchscreen front panel operation
- > Fast contactless switching with silent operation and long service life
- > Supports switching up to 1,500 V DC and 300 A
- > Single-throw switching design for easy operation
- > Built-in overload protection and thermal management system

Introduction

PFS 1500 V 300 A vehicle Power Fault Simulator is designed for switching tests of high-voltage DC cables. Adopting the new-generation control platform, it is in accordance with TS_TG1-030-1, TS_TG1-039-2 and TS_TG1-048-1.

Equipped with high-voltage high-power high-speed switches, it features fast response ($< 100 \mu\text{s}$), contactless operation, low noise, as well as overvoltage and overcurrent monitoring and protection. With a rated voltage of DC 1,500 V and a rated current of 300 A, it is applicable to scenarios requiring high-voltage DC switching, including new energy systems, energy storage systems, DC power distribution, electric vehicle testing, photovoltaic inverters and reliability tests of high-voltage DC relays.

Application Areas



Technical Parameters

Rated Working Voltage	1,500 V DC
Rated Working Current	300 A DC
Rise/ Fall Time (10% ~ 90%)	< 100 μ s
Display Screen	5.7-inch TFT touch screen
Working Power	AC 220 V, $\pm 10\%$, 50 Hz /60 Hz
Fuse	6 A
Max. Power Consumption	300 VA

General Parameters

Working Status Indication	Front panel LED indication and LCD display
Grounding Method	Flat grounding wire
Dimension	600 mm(W)*1,250 mm(H)*800 mm(D)
Weight	Approx. 105 kg
Ambient Temperature	15 $^{\circ}$ C ~ 35 $^{\circ}$ C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Test Cable, User Manual, Grounding Wire, Power Cord, Fuse, Flat Grounding Wire
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