

## DC Power Failure Simulator PFS D series

### Datasheet



#### In Compliance with

- > IEC 61000-4-29: 2000
- > GB/T 17626.29-2009

#### Introduction

The PFS D series are specially designed generator for DC voltage dips immunity tests, capable of simulating conditions of voltage dips, short interruption and variation of the DC power supply. The equipment boasts intelligent control and automatic measuring with imbedded technologies, which simplify the system and stabilize the performance. The unique LCD operation and powerful human-machine interaction functions also bring more convenience.

#### Features

- > 5.7" color touch screen for operation;
- > Built-in multifunction modules;
- > Test sequencing;
- > Ethernet RJ 45 interface for PC control, printing test reports;

#### Application Areas

- |                    |                          |
|--------------------|--------------------------|
| > Communication    | > Information technology |
| > Telecom          | > Military               |
| > Medical          | > Aviation               |
| > Broadcast and TV | > New energy power       |
| > Railway          | > New energy vehicle     |

General Parameters	
Display Screen	5.7" TFT touch screen
Working Mains	AC 110 V/220 V ( $\pm 10\%$ ), 50 Hz /60 Hz (default AC 220 V 50 Hz in mainland China)
Fuse	6 A
Max. Power Consumption	1000 W
Memory Space	Infinite (PC)
Communication Mode	Ethernet LAN、RJ45
Working Status Indication	indication and LDC display on front panel
Dimension	22U/35U rack
Weight	Approx.150 kg for 22U Approx.190 kg for 35U
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa
Accessories	
Power line, testing line, earth line, coaxial line, user manual, fuses	

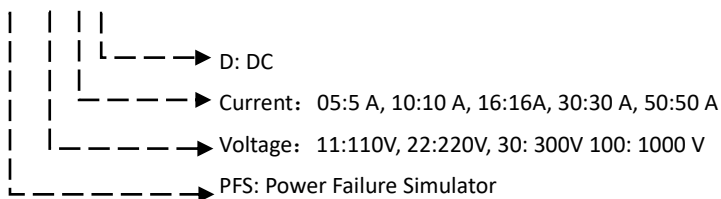
Technical Parameters	
Voltage Dips/Surge Voltage	0-120%
Duration Time for Voltage Dips and Short Interruptions	1 ms-99999 ms
Interval Time for Voltage Dips and Short Interruptions	50 ms-50000 ms
Testing Time for Voltage Dips and Short Interruptions	1 s-9999 s
Voltage rise/fall time	< 50 $\mu$ s (when load impedance of generator is 100 $\Omega$ )
Upper/Lower Overshoot of Output Voltage	< 10% of voltage variation (when load impedance of the generator is 100 $\Omega$ )
Interval Time	50 ms-50000 ms (the min. depends on the test voltage)
Load Adjustment Rate	Output voltage varies with load (0-rated current) < 5%
Impedance at output terminal During a Short Interruption	>100 k $\Omega$

#### Guide for Model No. Selection

PFS 1130D	rated voltage DC 110 V,30 A
PFS 1150D	rated voltage DC 110 V,50 A
PFS 2205D	rated voltage DC 220 V,5 A
PFS 3016D	rated voltage DC 300 V,16 A
PFS 10010D	rated voltage DC 1000 V,10 A

#### Naming rules :

PFS 10010D





## **SUZHOU 3CTEST ELECTRONIC CO., LTD.**

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192      Fax: +86-512-68079795

Sales Email: [globalsales@3ctest.cn](mailto:globalsales@3ctest.cn)      Service Email: [service@3ctest.cn](mailto:service@3ctest.cn)

[www.3c-test.com](http://www.3c-test.com)

3ctest is always striving for product innovation and quality improvement.

Product appearance and technical specifications are subject to change without further notice.

© 3ctest