

Direct-Current Power Failure Simulator

PFS 2205D

Datasheet



In Compliance with

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

Introduction

Direct-current power failure simulator PFS 2205D is 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 front panel
- > Built-in multifunction modules
- > Test sequencing and scheduling
- > Ethernet RJ 45 interface for PC control, printing test reports

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Application Areas

- > Telecom
- > IT
- > Pharmaceuticals
- > Broadcasting
- > New energy automotive
- > Military
- > Avionics
- > New energy
- > Train & rail transit

Technical Parameters	
Rated Voltage	DC 220 V
Voltage Dips / Surge Voltage	0 – 120%
Voltage Dips / Interruption Duration	1 ms – 9,999 ms
Voltage Dips / Interruption Intervals	50 ms – 50,000 ms (the min. depends on the test voltage)
Voltage Dips / Interruption Testing Time	1 s – 9,999 s
Voltage Rise / Fall Time	< 50 μ s (when the load impedance is 100 Ω)
Upper/Lower Overshoot Of Output Voltage	< 10% of voltage variation (when load impedance of the generator is 100 Ω)
Max Output Current (Steady State)	\leq 5 A
No. of Ripple	< 1% rated output voltage
Load Adjustment Rate	<5% (rate of change of the voltage with the load, 0 to rated current)
Output Impedance When Disconnected	>100 k Ω

General Parameters	
Display	5.7" TFT touch screen
Operating Power Supply	AC 110 V / 220 V, 50 / 60 Hz
Fuse	10 A
Max Power	1,000 W
User's Storage Space	Unlimited (PC)
Communication Method	Ethernet LAN, RJ 45
Operating State Indicators	Front panel LED, LCD
Operating Temp.	15°C - 35°C
Operating Humidity	45% - 75%
Operating Air Pressure	86 kPa – 106 kPa
Dimension	19", 22 U
Weight	Approx 80 kg



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