



Impulse Current Simulator

S6B600

- IEC 61643-11
- GB/T 18802.11

Features

- > 5.7-inch color touch screen front panel operation
- > Max. test current 6,000A
- > Support text sequence function and easy operation
- > Built-in fault alarm function
- > Generate a 4/10 μ s current waveform

Introduction

The S6B600 is a new type of impulse current simulator developed in compliance with IEC 61643-11 and GB/T 18802.11. It can output a 4/10 μ s impulse current waveform with a Max. output current of 6,000 A.

Application Areas



Technical Parameters

Test Current Range	100 A ~ 6,600 A, $\pm 10\%$
Current Waveform	Rise Time: $4\ \mu\text{s} \pm 10\%$ Duration: $20\ \mu\text{s} \pm 10\%$
Output Polarity	Positive, negative, alternative
Source Impedance	1 ohm $\pm 10\%$
Charging Voltage	$< 6.6\ \text{kV}$
Pulse Period	5 s ~ 99 s (The minimum interval depends on the test current.)
Test Count	1 ~ 10,000
Trigger Mode	Manual, Auto, External Trigger

General Parameters

Display Screen	5.7" TFT touch screen
Working Power	AC 110V/220 V, $\pm 10\%$, 50/60 Hz $\pm 5\%$
Fuse	6 A
Max. Power Consumption	500 W
External Control Mode	25-pin parallel cable
External Trigger Input	BNC, 5 V TTL normally open contact. Triggered by oscilloscope when the internal circuit is closed.
Operation Control Input	BNC, 5 V TTL
Failure Detection	LCD display in front panel and stop work when failure occurs
Working Status Indication	LED indication and LCD display in front panel
Grounding Method	Flat grounding wire
Communication Mode	Ethernet LAN, RJ45
Dimension	6U rack
Weight	Approx. 24 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	$15^{\circ}\text{C} \sim 35^{\circ}\text{C}$
Relative Humidity	45% ~ 75%

Standard Accessories

Three-core Power Cord, User Manual, Test Cables, Grounding Wire, Fuse

Optional Accessories

1	Broadband Current Monitor Clamp	Model: CM 0220M	
2	PC Control Software	Model: Corelab > Support Windows 7/8/10; > Support Ethernet Interface; > Support sequence test, easy to operate, generate and export test report.	

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