

Power fail simulator

APG 40C100



As per

- > ISO 7637-2
- > ISO 16750-2
- > Multiple automotive manufacture standards

Description

APG series can be used as battery supply simulation and DC voltage source. During test in test lab, APS series can replace vehicle battery. Pulse 2b, Pulse 4, slow sine wave noise and other complicated voltage variation test can be conducted by APG series simulator. It is a cost-effective way to replace APS series for slow waveforms or high current condition. It can simulate multiple battery supply waveforms as per international standards and multiple automotive manufacture standards. Also, as a powerful DC source, it can supply power for DUT during automotive transient pulse test, which can meet three kinds of supply voltage. APS series can also be used as power amplifier for magnetic field immunity test. For different models and test applications, test voltage is up to 60V and current is up to 100A.

Features

- > 5.7 inch color touch screen
- > Test voltage up to 60V
- > Test current up to 100A
- > high impulse current capacity
- > Unipolarity output
- > low output impedance
- > Powerful DC voltage source
- > bandwidth up to 5kHz
- > Pulses 4 and 2b as per ISO 7637-2:2004
- > Voltage variation test as per ISO 16750-2:2006
- > Pre-programmed test routines to simulate various supply waveforms
- > To simulate various supply waveforms, e.g. superimposed noise
- > Ethernet, RJ45, PC control, and test report documentation and

Industries

- > Automotive
- > Communication
- > Avionics
- > Military
- >

Technical parameters	
Output voltage	0-60V
Voltage resolution	$\pm 0.2V$
Output current	Max. 100A or more continuous
Source impedance	$< 10m\Omega$
Voltage deviation	$< 1v$ (resistive load, including impulse current) recover to 63% of max. amplitude during 100us
Voltage fluctuation	$U_r < 0.2V$ P-P, min.frequency: 400Hz
Rise time	$< 100us$ (resistive load)
Sine signal output	Frequency up to 5kHz (as per Vpp and output current of waveform)
output	DUT supply: high current connector
Serial port	LAN 以太网 RJ45
Supply voltage	AC 110/220V $\pm 10\%$ 45-65Hz
Temperature	15 - + 35°C
Humidity	35%-85%RH(no condensation)
Dimension	600 x 800 x 1200mm (22U cabinet) 450 x 600 x 266mm (6U cabinet)
Software	Control software AUTO Lab With PC installed WIN XP and WIN7, it can be easily operated to make the measurement, based on the customized test program. It can identify any device for AUTO Lab test with automatic configuration. It can easily generate test reports.

Basic equipment
Simulator, user manual, test report, test cable, fuse and power cord



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