

Automotive power voltage variation simulator

APG series



As per

- > ISO 7637-2
- > ISO 16750-2
- > Car Manufacturer's test standards

Summary

APG series can be used as battery supply simulation and DC voltage source. During test in test lab, APG 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 be supply power for DUT during automotive transient pulse test, which can meet three kinds of supply voltage. For different models and test applications, the 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
- > low output impedance;
- > Unipolarity output;
- > high impulse current capacity;
- > Powerful DC voltage source;
- > bandwidth up to 30KHz;
- > Pulses 4 and 2b as per ISO 7637-2;
- > Voltage variation test as per ISO 16750-2;
- > Pre-programmed test routines to simulate various supply waveforms;
- > Ethernet, RJ45, PC control, and test report documentation and print

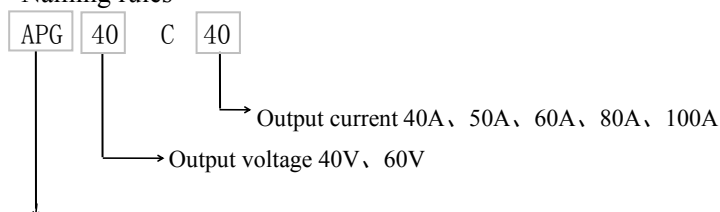
Application

- | | |
|--------------|-----------------|
| > Automotive | > Communication |
| > Aviation | > Military |

Technical parameters	
Output voltage	0-60V
Voltage resolution	±0.2V
Output current	Max.200A 500ms
Source impedance	<10mΩ
Voltage deviation	<1v(resistive load, including impulse current), recover to 63% of max. amplitude during 100us
Voltage fluctuation	Ur < 0.2V P-P, min. frequency: 400Hz
Rise time	< 100us(resistive load)
Sine signal output	Frequency up to 30kHz (as per Vpp and output current of waveform)
output	DUT supply: high current connector
Serial port	LAN Ethernet RJ45
Supply voltage	AC 110/220V ±10% 45-65Hz
Temperature	15 - 35°C
Relative Humidity	35%-85%RH(no condensation)
Dimension	450 x 600 x 266mm (6U cabinet) 600 x 800 x 1200mm (22U cabinet)
Software (Optional)	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.

Models selection		
Model	Parameters	Size
APG40C40	Rated 40V、40A max : 60A 500ms	19inch/8U
APG40C50	Rated 40V、50A max : 60A 500ms	19 inch /8U
APG40C60.1	Rated 40V、60A max : 60A continuous	19 inch /8U
APG40C60.2	Rated 40V、60A max : 120A 500ms	19 inch /22U
APG40C60.3	Rated 40V、60A max : 160A 500ms	19 inch /22U
APG60C40	Rated 60V、40A max : 80A 500ms	19 inch /22U
APG60C50	Rated 60V、50A max : 80A 500ms	19 inch /22U
APG60C60	Rated 60V、60A max : 80A 500ms	19 inch /22U
APG60C80	Rated 60V、80A max : 150A 500ms	19 inch /22U
APG60C100.1	Rated 60V、100A max : 150A 500ms	19 inch /22U
APG60C100.2	Rated 60V、100A max : 200A 500ms	19 inch /22U

Naming rules



APG series are high power voltage failure simulator with current up to 100A, impulse current 200A, frequency up to 30KHz



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