

APGxx series

Voltage Drop Simulator - Battery supply simulator and DC voltage source



As per

- | | |
|----------------------------------|---------------------------|
| > ISO 7637-2 | > Volvo STD 515-0003 2008 |
| > ISO 16750-2 | > SMTC 3800001 2014 |
| > BMW 600 13.0 (T1) | > MBN 10284-4 2011 |
| > BMW 600 13.0 (T2) | > MBN 10 284-2 2008 |
| > BMW GS 95002 (2010) | > Mazda MES PW 67600 |
| > BMW GS 95003-2 | > JEELY J7110982A 2016 |
| > BMW GS 95024-2-1 2010 | > QFPT2800001 2011 |
| > GMW3172 July 2010 | > FIAT 7-Z0441 |
| > GMW3172 June 2015 | > FIAT 7-Z0444 April 2008 |
| > VW TL82066 2006-11 | |
| > VW 80000 2013-06 | |
| > Peugeot B21 7110 July 2008 | |
| > Peugeot B21 7110 July 2005 | |
| > Ford EMC-CS-2009rev1 | |
| > Ford ES-XW7T-1A278-AC Oct 2003 | |

Summary

APGxx series can be used as battery supply simulation and DC voltage source. During test in test lab, APGxx series can replace vehicle battery. Pulse 2b, Pulse 4, slow sine wave noise and other complicated voltage variation test can be conducted by APGxx series simulator. It is a cost-effective way to replace APSxx 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 42V, 24V and 12V supply voltage. For different models and test applications, the test voltage is up to 60V and current is up to 300A.

Features

- > 5.7 inch color touch screen;
- > Test voltage up to 60V;
- > Test current up to 300A
- > 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

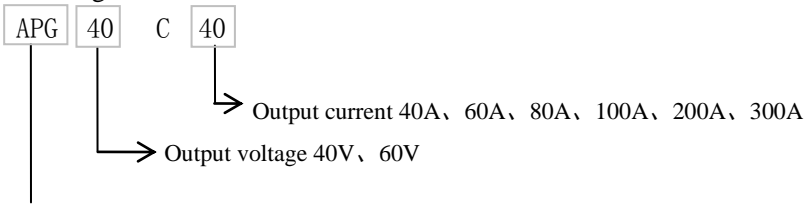
- | | |
|--------------|-----------------|
| > Automotive | > Communciation |
| > Aviation | > Military |

Technical parameters	
Output voltage	0-60V
Voltage resolution	±0.2V
Output current	Max.400A 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 pp, 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 220V ±10% 45-65Hz
Auxiliary power supply voltage	AC 380V*3 ±10% (22U、35U)
* Please indicate when ordering power supply for different areas	
Temperature	15 - 35°C
Relative Humidity	35%-85%RH(no condensation)
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
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
<ul style="list-style-type: none"> The maximum current 400A can be continuous with the customized voltage 40V 		
APG60C40	Rated 60V、40A 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	Rated 60V、100A continuous	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
APG60C200	Rated 60V、200A continuous	19 inch /22U
APG60C300	Rated 60V、300A continuous	19 inch /35U
<ul style="list-style-type: none"> The maximum current 400A can be continuous with the customized voltage 60V 		

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

Naming rules



APG series are high power voltage failure simulator with current up to 300A, impulse current 400A, frequency up to 30KHz

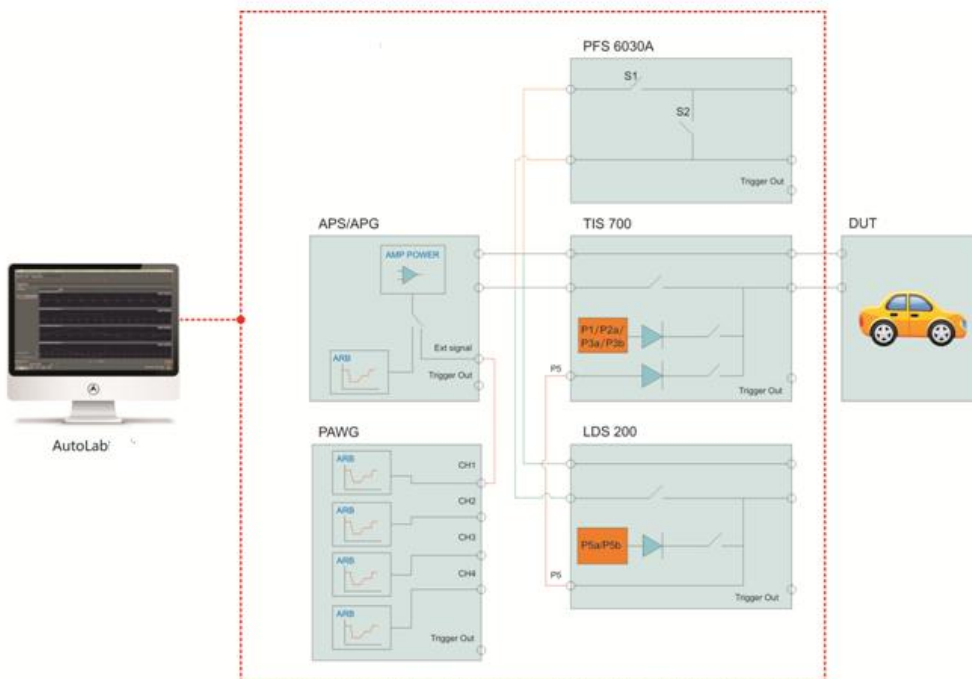
*) There is a large amount of inrush current for some of the test products (eg motor equipment, exhaust fans, wipers, air conditioners, etc.) or in the presence of large capacitive energy storage fittings. This inrush current is 3-10 times of normal current or even greater. If the customer's inrush current is not confirmed, our company's CTM series of current test module can be used to test the working current value to obtain the inrush current, so you can choose a more appropriate APS series of products.

***) APGxx series The output voltage range of the APS is 0 to 60V and the output current range is 0 to 400A. The Max output frequency of sinusoidal signal is 30kHz; The instrument power is large enough to meet most of the test requirements

APSxx series The output voltage range of the APS is 0 to 60V and the output current range is 0 to 30A. The Max output frequency of sinusoidal signal is 30kHz;

APSxxD series is a four quadrant power supply. The maximum output voltage of the product is 80V. The difference between positive and negative voltage output shall not exceed 100V. The product line meets the 48V test system. The product output current range is 0 to 30A. The sinusoidal signal output frequency up to 300kHz.

The test connection diagram:





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