



Programmable AC/DC Power Source **PPS 45C10**

- MIL-STD-704
- HB 20326.1~8
- GJB181-2016

Features

- > In compliance with HB 20326, MIL-STD-704 and GJB181.
- > Output AC/ DC power supply. Max. AC 450 Vrms, 105 A, Max. DC 636V, 105A.
- > Output power 20kW
- > Full-load and 4-quadrant power
- > Wide frequency DC-200KHz
- > Support 3-phase and 1-phase output
- > Support harmonics test
- > Support frequency/amplitude modulation
- > Built-in arbitrary wave editor, arbitrary waves can be edited freely.
- > Equipped with voltage/current monitoring and protection function
- > Support ripple tests.
- > All-in one design, reliable quality and easy operation.
- > Support PC software remote control, Ethernet RJ45 interface.
Support test report generation and printing.

Product Introduction

The PPS 45C10 programmable AC/DC power source features high voltage/current dynamic range and is well suited for testing in aviation sector. The PPS 45C10 output voltage is guaranteed to have a distortion rate of less than 0.1% regardless of the load, its frequency ranges from DC to 200 kHz. The PPS 45C10 is not only based on real-time processor technology, but also comes with a built-in high-performance PC and the test software Corelab, which has arbitrary waveform editing capabilities and can easily simulate a variety of complex waveforms. Corelab provides users with a wide range of preset waveform segments and a large number of standard test items in compliance with electromagnetic compatibility and aerospace standards, meanwhile, Corelab has function of test report generation report.

Application



Technical
Parameters

Output Power (KW)	Max. 20 kW
Max. AC Voltage (V_rms)	450 Vrms
3-phase Max. Current (A_rms)	35 Arms
1-phase Max. Current (A_rms)	105 Arms
Max.DC Voltage (V_DC)	± 636 V
Max. DC Current (A_DC)	±105 A
Harmonics Voltage	0 ~ 10 Vrms
Harmonicas Frequency	1Hz ~ 10 KHz
FM Modulation	1Hz ~200 Hz
AM Modulation	0 ~ 100%
Output Voltage Distortion Rate	<0.1%
Phase Angle Accuracy	1°
Setting Step (V)	0.01 V
Ripples (20HZ ~ 20MHZ)	Vpp≤1 %FS + 100 mV Vrms≤0.3 %FS + 50 mV
Protection	Over-current protection, over-voltage protection and undervoltage protection.

General
Parameters

Display Screen	15.6 inches touch screen
Power Input Interface	63A-6H industrial aviation connector plug
Working Power	AC380V, 50Hz/60Hz
Grounding Connection	Flat grounded cable
Test Ports	32A banana plug & 100 A solid port
Dimension	22U
Ambient Temperature	15°C ~ 35°C
Relative Humidity	25% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Accessories

User manual, Test cables, Power cord, Grounded cable

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 Emeishan Rd, SND, Suzhou 215153,

Tel: +86 (0)512 6807 7192

Fax: +86-512-68079795

Email: globalsales@3ctest.cn

www.3c-test.com



3ctest is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.