











For Applications

-  Aircraft servicing in workshops/on the ramp/Airport
-  Airline's crew training
-  Flying college's students
-  Pre-flight checks
-  Aircraft diagnostic work & DC Motor Test

Main Features

-  Small volume, light weight, high efficiency up to 93%
-  Output voltage and current are respectively displayed
-  With input anti-surge protection protection ,avoid current overshoot at startup

PX-DCA SERIES

28VDC ,600A/800A

DC GROUND POWER UNIT



PX ELECTRONICS POWER SOLUTION EXPERT

SINCE 2008, We have been committed to providing excellent power products and solutions to customers around the world.



WORKING ENVIRONMENT

Ultra-wide (-40~+60℃) operating temperature range, protection level up to IP55, fully meets the needs of outdoor use.



PX-DCA SERIES

PX Electronics PX-DCA series DC GPU is designed to give continuous high quality DC power for powering of various aircraft systems and also starting aircraft engines.

The safety features include over voltage, overload and internal thermal ,short circuit, current limit protection.



Digital high-frequency inverter technology

Using FPGA and DSP to realize digital high frequency inverter technology, the waveform quality is high, the dynamic response speed is fast, the overload capacity is strong, the reliability is high, and the maneuverability is strong.

MODEL SELECTION

Model Selection of PX-DCA series DC Power Supply shown below

PX-DCA - 28 - 100



Output Voltage 28V



Output Current 100A

TECHNICAL SPECIFICATION

Capacity	18kW(600A)	22kW(800A)
Input		
Voltage	380V/400V±15%	
Frequency	45-65Hz	
Inrush Current	None, soft start	
Output		
Voltage	28.5 Vdc(20-32V adjustable)	
Current	600A	800A
Vrms	100mV	150mV
Vpp	1000mV	1100mV
Overload	1200A for30s	1200A for30s
	1500A for 10s	1800A for 15s
	2000A for 2s	2400A for 2s
Voltage Accuracy	≤ ±1% FS (Full Scale)	
Standby power consumption	<65W(Exhaust fans stop)	
Protection	Input Over/under voltage,Over voltage, Inner over heat, Current limit Short circuit, Self diagnose and alarm	
Enclosure IP	IP55	
Digital display	Output Voltage,Current,setting current limit	
Working condition		
Temperature	Operation: -40℃~60℃	
Noise	≤ 70dB at 1 meter	
Humidity	10~90% non-condensing	
Reliability/Efficiency		
Mean Time Between Failure	25,000H	
Mean Time To Restore	< 30 min	
Service Life	More than 25 years	
Overall efficiency	≥ 85%	
Standards	MH/T 6018, GJB 181B-2012	
Dimension and Weight (W*D*H)	Fixed mounted: 760*585*1010mm,200KG Trailer:1317*760*1010,230KG	Fixed mounted: 540*625*1215mm,300KG Trailer:1980*1090*1385mm,450KG