



incl. The Powerbox Group

Innovative Power Solutions since 1969

PCA Series

AC-DC Power Supply with Digital Communication

No MOQ

0.003 % Failure Rate

Local Distribution

5 year warranty

Technical Design-in Support

Global Sales Support

Industrial

Medical

Energy

Infrastructure

Transportation



Easy Product Selector!
 Available for smart phone, tablet & desktop PC
 (Can be used in offline mode when no WiFi is available)

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AC - DC Power Supply with Digital Communication



Characteristics / Model Name	PCA300F	PCA600F	PCA1000F
Input Voltage Range	AC85V - 264V, 1 Phase		
	DC88V - 370V (without safety certifications)		
Rated Output Power	300W	600W	1000W
Output Voltage Line-up	5V, 12V, 15V, 24V, 32V, 48V		
Dimensions (W x H x L)	89x41x152mm		102x41x178mm
Safety Approvals	UL60950-1, C-UL (CSA60950-1), EN60950-1, EN62368-1, ANSI/AAMI ES60601-1, EN60601-1 3rd, Complies with IEC60601-1-2 4th Edition		

Analog Functions

- ITRM pin for current control with external voltage
- VTRM pin for voltage control with external voltage
- Remote ON/OFF
- Remote Sensing
- LED/Alarms for operational status indication
- Current Monitor

Digital Functions

- Inhibit
- Output voltage control
- Constant current operation
- Output sequencing
- Auxiliary voltage control
- Fan control
- System monitoring
- PSU status
- Address setting
- Product information

Key Features

- Ultra Compact & 1U High
- Industrial & Medical Approved (2 x MOPP)
- Complies with IEC60601-1-2 (4th edition)
- Digital interface (UART and PMBus)
- High power density
- Output Voltage/Current control without external circuit
- High Efficiency (Up to 93%)
- Adjustable AUX (4.7V - 12.6V)
- Temperature regulated fan
- 83 digital commands
- CVCC Operation
- Output voltage adjustable close to 0V