

PCA series		Bus bar type	Terminal type (-T)
Model	NEW PCA300F	PCA600F	NEW PCA1000F
Input Voltage	AC85-264V 1 ϕ DC88-370V		AC85-264V 1 ϕ
Leakage Current	0.5mA max (ACIN 240V 60Hz, I _o =100%)		
Output Current	300W	600W	1000W
Output Voltage Lineup	5V, 12V, 15V, 24V, 32V, 48V		
Safety Standards	UL62368-1,C-UL(CSA62368-1), EN62368-1,ANSI/AAMI ES60601-1, EN60601-1 3rd	UL60950-1,C-UL(CSA60950-1), EN60950-1,ANSI/AAMI ES60601-1, EN60601-1 3rd	UL62368-1,C-UL(CSA62368-1), EN62368-1,ANSI/AAMI ES60601-1, EN60601-1 3rd
Case Size (W×H×D)	89×41×152 mm [3.50×1.61×5.98 inches] (Terminal block and screws not included)		102×41×178mm [4.02×1.61×7.01 inches] (Terminal block and screws not included)

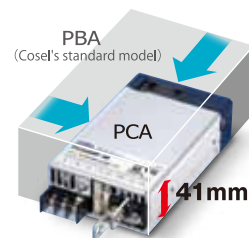
- Others
- The output voltage can be adjusted to nearly 0 volts
 - Operable in parallel and in series
 - Compliant with CE marking, the Low Voltage Directive

- Various alarms provided
- Warranty: 5-year



Overwhelmingly compact

The combination of our original power circuit and microcomputer-based digital assist control contributes to the realization of both being compact/highly efficient and versatile/multi-functional.

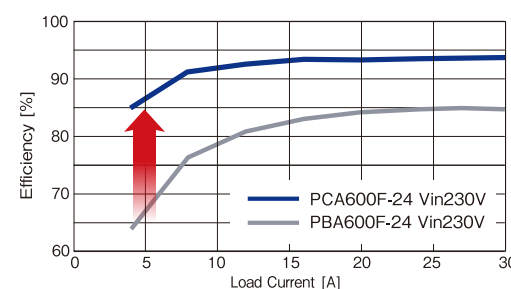


Compared with standard model

600W → Reduced by approx. **60%**

1000W → Reduced by approx. **65%**

Compatible with 1U size design



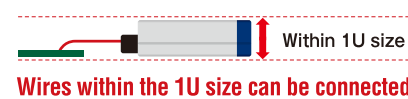
Compared with standard model
Efficiency increased by approx. 8%

In the light load range
Efficiency increased by approx. 20%

Terminal type (-T) [Applicable Models] PCA300F : 5V, 12V, 15V, 24V, 32V, 48V PCA600F : 12V, 15V, 24V, 32V, 48V PCA1000F : 24V, 32V, 48V

Attached to the top face with screws

Wires can be connected from two directions



Attached to the front face with screws

Wires can also be connected in parallel



※Two screws are included with the product

COSEL

For further info.,
Click here to Product page!

PCA series

AC-DC Power Supply

Compact • High Efficiency •

For General-purpose / With Communication Function



300/600/1000W

NEW

NEW

PCA series

■Head Office **COSEL CO., LTD.**

1-6-43 Kamiakae-machi, Toyama 930-0816, Japan Phone +81-76-432-8152 E-mail sales@cosel.co.jp URL https://en.cosel.co.jp

■Worldwide Sales/Support Network

[AMERICA]

COSEL U.S.A., INC.

Phone (Free) +1-800-888-3526

E-mail sales@coselusa.com

URL http://www.coselusa.com

《Engineering and Technical Support》

Phone (Free) +1-866-921-0968

E-mail techsupport@coselusa.com

[EUROPE]

COSEL EUROPE GmbH

Phone +49-69-95 00 79-0

E-mail sales@coseurope.eu

URL http://www.coseurope.eu

《Engineering and Technical Support》

E-mail techsupport@coseurope.eu

[ASIA]

COSEL ASIA LTD.

Phone +852-2305-2712

E-mail sales@coselasia.com

URL http://www.coselasia.com

COSEL (SHANGHAI) ELECTRONICS CO., LTD.

Phone +86-21-6440-0381

E-mail sales@coselasia.cn

URL http://www.coselasia.cn

MEDICAL INDUSTRIAL

EN60601-1 3rd (2MOPP)

Compliant with Medical Standards General-purpose Power Supply



PC-connectable power supply The PCA series can offer the following solutions

Communication function Total number of commands **83**

Output voltage ON/OFF	Output voltage monitoring
Output voltage change	Output current monitoring
Setting of variable upper and lower limits of output voltage	Output power monitoring
Output constant current control change	Fan speed monitoring
Start-up delay time change	Internal part temperature monitoring
Voltage lamp rate change	Acquisition of stop code
Start/Stop voltage change	Acquisition of cumulative operation time
AUX output voltage change (5 to 12 V)	Acquisition of information about product name, lot number, and serial number
Input voltage monitoring	Input voltage frequency monitoring

and more...

Monitoring

The communication function enables you to monitor information about the power supply remotely. You can read the input and output voltage, the output current, and so on.



※The image shows an example of monitoring by spreadsheet software.

GUI

A GUI (Graphical User Interface) is available for evaluating the communication function. You can download it from our website.

〈Windows Ver.〉



〈Android Ver.〉



Markets demands require smaller power supplies, while drivers are needed for complicated configurations.



Answer

Multiple power supplies can be controlled through remote communication.

Digital Vo control of the PCA series makes it possible to control each power supply remotely.

Constant current control requires an external connection.



Answer

Constant current control no longer requires an external circuit. Design time can be reduced.

The use of the constant current output function of the PCA series can easily produce a constant current. Moreover, digitalized signals can help reduce design and evaluation times.

Each power supply needs to be evaluated to pinpoint failure when line is down.



Answer

Monitoring can be performed through communication.

The digital monitoring function of the PCA series enables you to collectively measure the current and voltage of respective each power supply, which contributes to the reduction of the line downtime.



The uses of the PCA series are endless! The PCA series adds value to your products.