# PCA series





| Model | NEW PCA300F | PCA600F | NEW PCA1000F | NEW PCA1500F |
|---|---|---|---|---|
| Input Voltage ※1 | 85-264VAC 1φ 88-370VDC | | 85-264VAC 1φ | |
| Leakage Current | 0.5mA max (240VAC IN 60Hz , Io=100%) | | | |
| Output Wattage | 300W | 600W | 1000W | 1500W |
| Output Volatge Lineup | 5V , 12V , 15V , 24V , 32V , 48V | | | |
| Safety Standards | 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) | 140×41×203mm [5.51×1.61×7.99 inches] (Terminal block and screws not included) |

※1 DC input is not covered under safety standards.

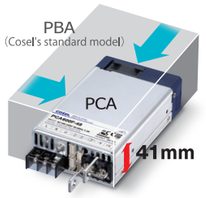
■Others

- 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

RoHS

## 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.

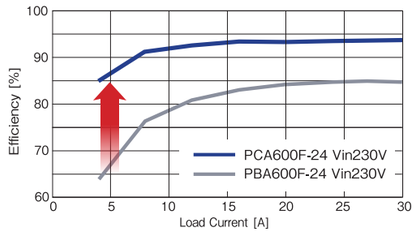



Compared with standard model

600W 1500W → Reduced by approx. 60%

1000W → Reduced by approx. 65%

**Compatible with 1U size design**



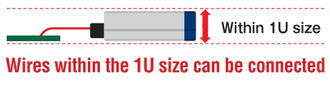

Compared with standard model
**Efficiency increased by approx. 8%**

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




Wires within the 1U size can be connected

**Attached to the front face with screws**

Wires can also be connected in parallel

※Two screws are included with the product

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COSEL

# AC-DC Power Supply

Compact・High Efficiency・
For General-purpose / With Communication Function

## 300/600/1000/1500W

NEW NEW

# PCA series

PCA series

# 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 |
| | Fan speed monitoring |
| Output constant current control change | Internal part temperature monitoring |
| Start-up delay time change | Acquisition of stop code |
| Voltage lamp rate change | Acquisition of cumulative operation time |
| Start/Stop voltage change | Acquisition of information about product name, lot number, and serial number |
| AUX output voltage change (5 to 12 V) | |
| 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.**