



# AC-DC Power Supply

Compact • High Efficiency •

For General-purpose / With Communication Function



**300/600/1000/1500W**

**NEW**

**NEW**

**PCA**  
series



# MEDICAL IN

EN60601-1 3rd

## Compliant with Medical General-purpose

### PC-connectable power supply The PCA series

## 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.



Constant current control requires an external connection.



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



The uses of the PC

# INDUSTRIAL

rd (2MOPP)

## Medical Standards Power Supply

PCA  
series



ies can offer the **following solutions**



**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.



**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.



**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.

**A series are endless! The PCA series adds value to your products.**

# PCA series



**NEW**

**NEW**

**NEW**

Model	PCA300F	PCA600F	PCA1000F	PCA1500F
Input Voltage ※1	85-264VAC 1 φ	88-370VDC	85-264VAC 1 φ	
Leakage Current	0.5mA max (240VAC IN 60Hz, I <sub>o</sub> =100%)			
Output Wattage	300W	600W	1000W	1500W
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			
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.

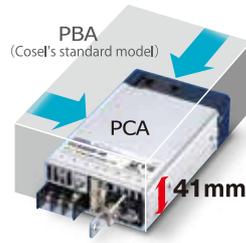
## Others

- 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



## Overwhelmingly compact

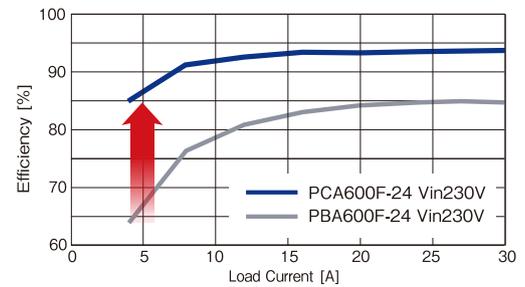
The combination of our original power circuit and microcomputer-based digital assist control contributes to the realization of both being compact/highly efficient and versatile/multi-functional.



Compared with standard model

600W → Reduced by approx. **60%**  
1500W → Reduced by approx. **65%**  
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

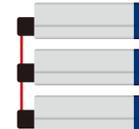
**Attached to the top face with screws**

**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

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