



# Configurable Type Medical AC-DC Power Supply



# AME

series

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series

Medical Standard (IEC60601-1 3rd [2 x MOPP]) approved

## Low Profile Configurable Type Power Supply with Communication function

Easy & Flexible Module Configuration  
Compact size improves space and wiring installation time

Many merits by combining  
multiple power supplies.

Reduce  
Leakage  
Current

Simplified  
EMI Design

Easy Wiring

Space Saving



## Flexible multiple outputs construction

# Flexible multiple outputs construction

### Output Module Line Up

Module Code	<b>NEW</b> J	A	<b>NEW</b> K	B	<b>NEW</b> L	C	<b>NEW</b> M	D
Output Voltage	3.3V	5V	7.5V	12V	15V	24V	36V	48V
Output Current	15.2A	12A	12A	8.5A	8A	5A	3.4A	2.5A
Output Adjustment Range	2.64-3.96V	4.0-6.0V	6.0-9.0V	9.6-14.4V	12.0-18.0V	19.2-28.8V	28.8-43.2V	38.4-57.6V
Other Functions	Remote ON/OFF (RC), Alarm (LV), LED (Blue)							

Module Code	<b>NEW</b> E4	<b>NEW</b> E	<b>NEW</b> S	F4	<b>NEW</b> F	<b>NEW</b> T	G4	<b>NEW</b> G	<b>NEW</b> U	H4	H	<b>NEW</b> V4	<b>NEW</b> V	<b>NEW</b> V5	<b>NEW</b> R
Output Voltage	3.3V	5V	7.5V	7.5V	12V	15V	15V	24V	36V	36V	48V	65V	75V	100V	V <sub>1</sub> : 24V   V <sub>2</sub> : 24V
Output Current	32A	24A	24A	20A	16A	10A (Peak 15A)	10A (Peak 15A)	6.7A (Peak 10A)	5A (Peak 7.5A)	5A (Peak 7.5A)	3A	3A	2.25A	2.25A	3A   3A
Output Adjustment Range	3.0-6.0V	4.5-9.0V	4.5-9.0V	7.2-14.4V	9.0-18.0V	14.4-28.8V	14.4-28.8V	21.6-43.2V	28.8-57.6V	28.8-57.6V	57.6-105V	57.6-105V	57.6-105V	57.6-105V	5.0-25.2V
Other Functions	Remote ON/OFF (RC), Alarm (LV), LED (Blue), Remote sensing (+S/-S), Output voltage adjustable (VTRM), Output current adjustable (ITRM)														

9 options available. Series and parallel operations possible.

## Saving design and maintenance time by communication function

# You can design flexibly by programming communication function.

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 12V)	Acquisition of information about product name, lot number and serial number
Input voltage monitoring	and more...
Input voltage frequency monitoring	

※For further information, please ask Cosel's sales representative.



Communication Function  
Total number of commands  
**109**

### Monitoring

Monitoring externally is possible by communication function. Input or output voltage value, output current value and more is readable.

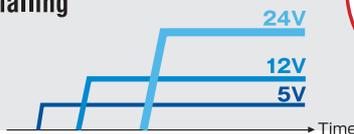
※The image shows an example of monitoring by spreadsheet software.

### GUI

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

## Can manage sequence by communication function Space saving by No PLC

Can set the delay time of rising / falling



Can set sequence order or time flexibly

Can set rising through rate



Can change through rate

## Saving space and wiring time by monitoring

Reduces run down time by monitoring output current and voltage in digital monitoring function of AME series

## Remote control by personal computer

Possible to control by digital Vo control of personal computer externally

Control multiple Power Supplies at once



# Meets Medical Standards (IEC60601-1 3rd) & ITE Standards (IEC62368-1)

AME series		AME400F	AME600F	AME800F	AME1200F	Remarks
Model		AME400F	AME600F	AME800F	AME1200F	
Input Voltage		85-264VAC 1 $\phi$				
Frequency		50/60Hz (45-66)				
Leakage Current		0.30mA max				240VAC 60Hz ※
Num. of Slots		4		6		
Total Output Power	90-170VAC IN	250W	400W	600W	1000W	85-90VAC : Derating is required
	170-264VAC IN	400W	600W	800W	1200W	
Auxiliary Output (AUX)		5V 1A				Optional : 12V 0.1A available
Global Inhibit (GI)		Global inhibit available				
Alarm (PR)		Open collector				
Operating Ambient Temperature		-20 - +70°C				Derating is required
Safety Standard		UL62368-1, C-UL (CAN/CSA-C22.2 No. 62368-1), EN62368-1, ANSI/AAMI ES60601-1, C-UL (CAN/CSA-C22.2 No. 60601-1), EN60601-1 3rd approved, IEC60601-1-2 4th compliant				
Conducted Emission		FCC-B, VCCI-B, CISPR32-B, EN55011-B, EN55032-B compliant				
Harmonic Distortion		IEC61000-3-2 (Class a) compliant				
Size (W×H×D)		89 x 41 x 257mm [3.50 x 1.61 x 10.12 inches]		127 x 41 x 257mm [5.00 x 1.61 x 10.12 inches]		
Cooling Method		Force Air Cooling (Built-in Blow-in FAN)				

※Optional leakage current of 0.1mA available. Refer to options.

Various Alarm Functions

With AUX 5V 1A

Start-up Sequence Available (Option)

Compact-Low Profile Design

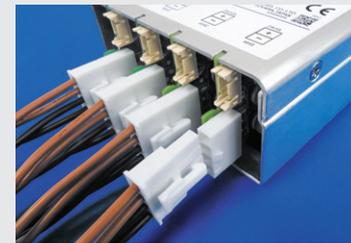
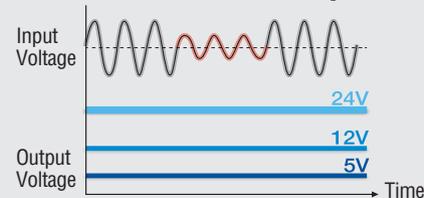
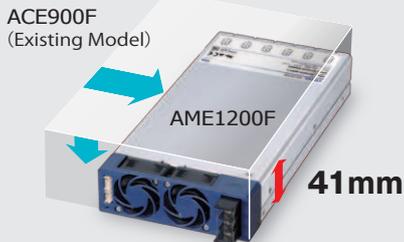
Meets Medical Standards

Connector (Option)

Volume Ratio  
Approx. **50% Smaller**

Medical Standards  
(IEC60601-1 3rd [2xMOPP])  
approved  
IEC60601-1-2 4th compliant

Faster & improved wiring  
connectivity



Low profile 1U Height

Applicable for  
instantaneous voltage dip

Improved wiring



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