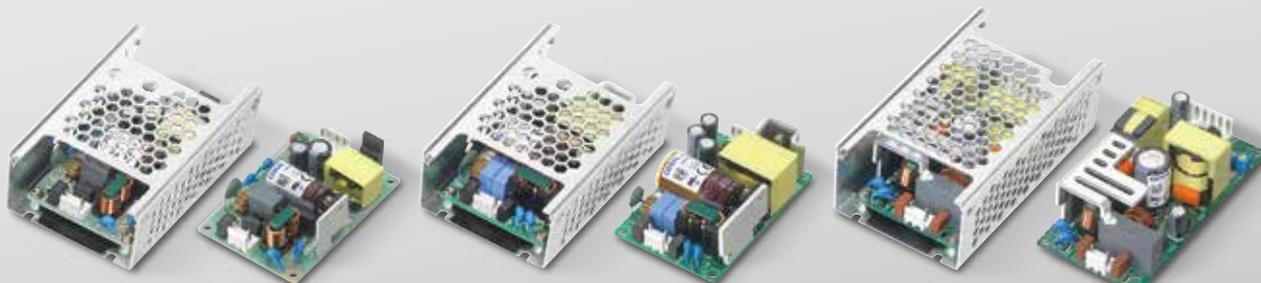




Compact Medical type AC-DC Power Supply



UMA30F

UMA60F

UMA120F



UMCS30F



UMCS60F



UMPS30F



UMPS60F

UMA series **30/60/120W**

UMCS series
UMPS series **30/60W**

NEW

UM

series

UM series

Versatile Line-up engineered for wide range of medical applications.

Open frame type

UMA series

Chassis • Cover (Option: SN)

Class II acceptable (Option: E)

2x4 Inches

120W released

NEW

30/60W

Mounting holes compatible

2x3 Inches

Available to meet with power increase

Enclosed type

UMCS series



30/60W Same case size
Available to meet with power increase

Resin case (Normal)

Class II acceptable

Suitable for application that requires no FG

PCB mount type

UMPS series



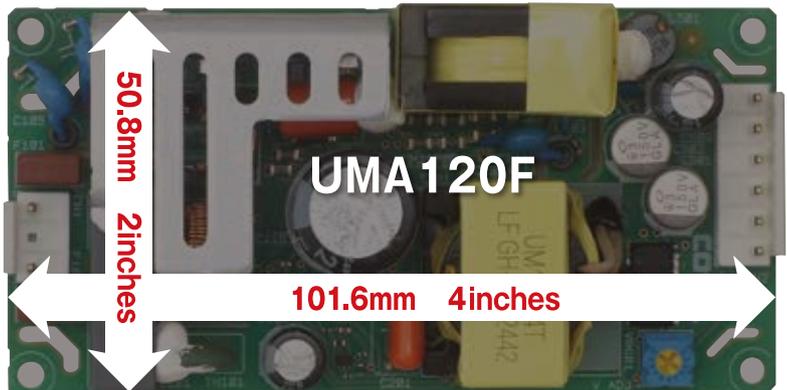
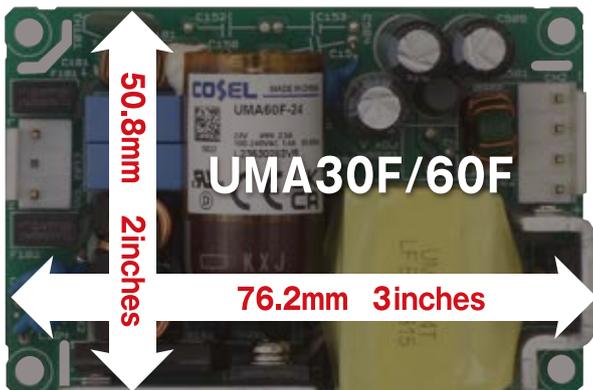
30/60W Same case size
Available to meet with power increase

Resin case (Normal)

Class II acceptable

Suitable for application that requires no FG

Compact and Global Standardized Dimensions



High Reliability under Medical Safety Agency Approvals

IEC60601-1 Ed. 3.2 acceptable

■ Isolation

Complies with Type BF Medical Safety Standards.

Input - Output : 2MOPP (4,000VAC)
 Input - FG : 1MOPP (2,000VAC)
 Output - FG : 1MOPP (2,000VAC)



■ Leakage Current

Low leakage current ensures compliance with safety standard.

Leakage current to earth 200 μ A max.
 Touch current 75 μ A max.

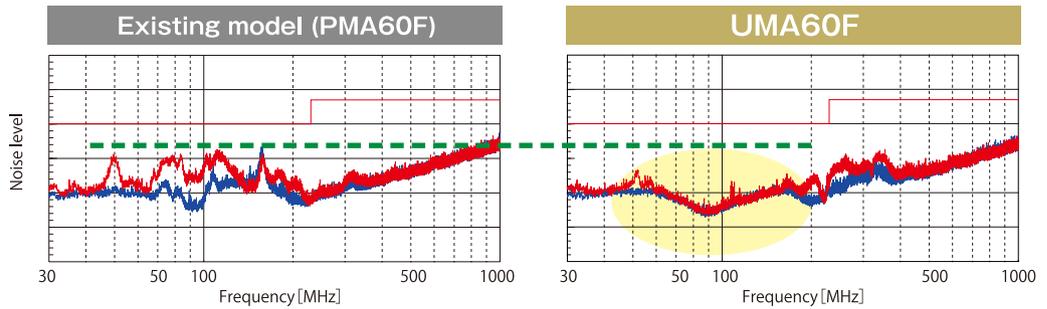


■ Low noise

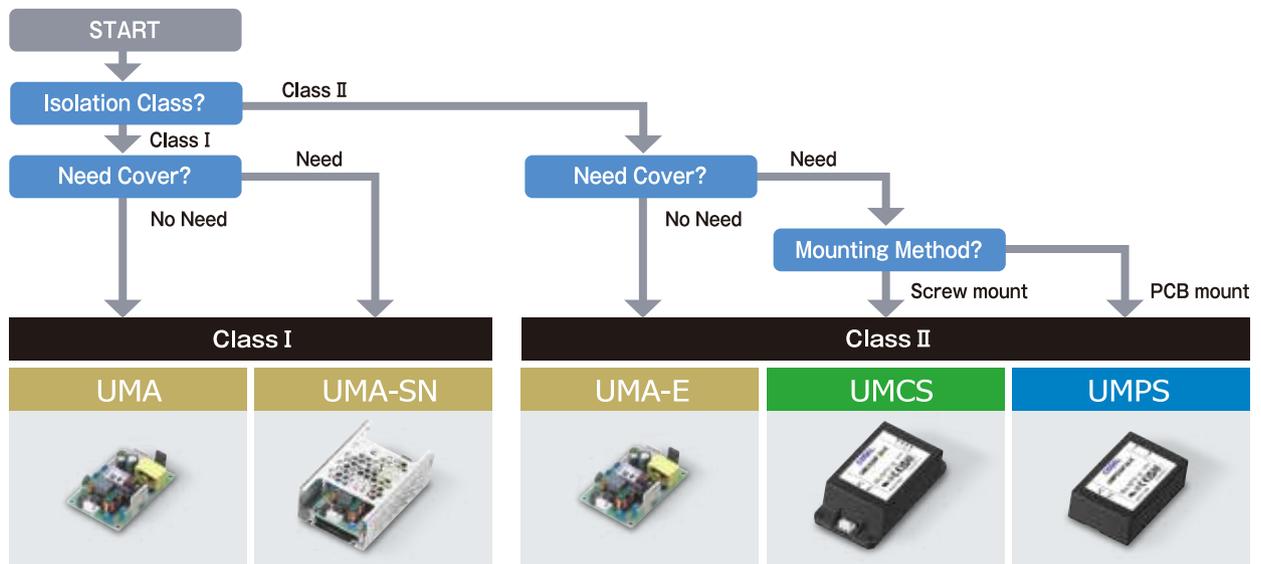
Low noise design ensures stable operation of medical equipment.

Noise Field Intensity 60W model

— Vertical
 — Horizontal



UM series Model Selection Flow



Suitable for All Applications

**For ITE · Industrial applications:
 IEC 62368-1**

**For Smart home · Related equipment in Building:
 IEC 60335-1**



UMA series



Model Name		UMA30F	UMA60F	UMA120F
Input Voltage		85 to 264VAC		
Output Voltage/Current	5V	3A	6A	12A
	7.5V	—	5.5A	12A
	12V	2.5A	4.5A	10A
	15V	2A	3.5A	6.5A
	18V	—	—	6A
	24V	1.3A	2.5A	5A
	36V	0.85A	1.7A	3A
	48V	0.65A	1.25A	2.5A
Efficiency (230VAC _{in} , I _o =100%) ※24VDC _{out}		89%	90%	94%
Leakage Current (264VAC _{in} , 60Hz, I _o =100%)		200 μA max.		
Operating Ambient Temperature		-20°C to +70°C (Derating is required.)		
Safety Standards	Approval	ANSI/AAMI ES0601-1, EN60601-1 3rd, C-UL(equivalent to CAN/CSA-C22.2 No.60601-1), UL62368-1, EN62368-1, C-UL(equivalent to CAN/CSA-C22.2 No.62368-1)		
	Compliant	EN60335-1		—
Conducted Noise		CISPR11-B, CISPR32-B, EN55011-B, EN55032-B, FCC Part 15-B, FCC Part 18-B compliant		
EMC Emissions		IEC61000-3-2 (Class A) compliant (UMA30F/60F: No-PFC)		
Case Size (W×H×D)	mm [inches]	50.8 x 21.7 x 76.2 [2.00 x 0.85 x 3.00]	50.8 x 24.2 x 76.2 [2.00 x 0.95 x 3.00]	50.8 x 29.0 x 101.6 [2.00 x 1.14 x 4.00]

UMCS/UMPS series

Model Name		UMCS30F	UMPS30F	UMCS60F	UMPS60F
Input Voltage		85 to 264VAC			
Output Voltage/Current	5V	3A		6A	
	12V	2.5A		4.5A	
	24V	1.3A		2.5A	
	48V	0.65A		1.25A	
Efficiency (230VAC _{in} , I _o =100%) ※24VDC _{out}		89%		90%	
Leakage Current (264VAC _{in} , 60Hz, I _o =100%)		200 μA max.			
Operating Ambient Temperature		-20°C to +70°C (Derating is required.)			
Safety Standards	Approval	ANSI/AAMI ES0601-1, EN60601-1 3rd, C-UL(equivalent to CAN/CSA-C22.2 No.60601-1), UL62368-1, EN62368-1, C-UL(equivalent to CAN/CSA-C22.2 No.62368-1)			
	Compliant	EN60335-1			
Conducted Noise		CISPR11-B, CISPR32-B, EN55011-B, EN55032-B, FCC Part 15-B, FCC Part 18-B compliant			
EMC Emissions		IEC61000-3-2 (Class A) compliant (No-PFC)			
Case Size (W×H×D)	mm [inches]	55.9 x 35.7 x 109.2 [2.20 x 1.40 x 4.30]	55.9 x 30.5 x 81.3 [2.20 x 1.20 x 3.20]	55.9 x 35.7 x 109.2 [2.20 x 1.40 x 4.30]	55.9 x 30.5 x 81.3 [2.20 x 1.20 x 3.20]

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