

# AMD Medical Adapter



## Superior Features:

- Meets Energy Star level V
- Conforms to EN61000-3-2 (Harmonic Requirements)
- Low Leakage current



## Features:

- Universal input
- AC Receptacle with C8 & C14 option
- High Efficiency > 87%
- MTBF > 300,000Hrs. at full load
- Low no load power consumption < 0.3W(30W), < 0.5W (60W)
- Brownout & Brownout recovery
- 150% peak load 200ms
- Complies to medical safety
- Medical safety standard approvals UL60601-1/ EN60601-1/ CSA60601-1
- RoHS compliant



Input Voltage: 90 - 264Vac  
Input Frequency: 47 - 60Hz

PRODUCT SPECIFICATION			
MODEL NUMBER	AMD-12V030Wxxx	AMD-24V060Wxxx	AMD-24V080Wxxx
<b>OUTPUT (DC)</b>			
Output Power	30W	60W	80W
Output Voltage	12V	24V	24V
Output Current	2.5A	2.5A	3.33A
PARV (20MHz)	< 1% pp of Vo	< 1% pp of Vo	< 1% pp of Vo
Start-up time	< 3 Secs	< 3 Secs	< 3 Secs
Hold-up time	15ms min.@ 115Vac	15ms min.@ 115Vac	15ms min.@ 115Vac
Rise time	< 20 ms	< 20 ms	< 20 ms
Line regulation	± 0.5%	± 0.5%	± 0.5%
Load regulation		Including output cable ± 5% Excluding output cable ± 1%	
<b>INPUT (AC)</b>			
Max. input current	0.65A @ 115Vac & 0.4A @ 230Vac	1.2A @ 115Vac & 0.7A @ 230Vac	0.8A @ 115Vac & 0.45A @ 230Vac
Inrush current limitation Ft (+25°C)	35A @ 115Vac, 70A @ 230Vac cold start @ +25°C	40A @ 115Vac, 90A @ 230Vac cold start @ +25°C	40A @ 115Vac, 80A @ 230Vac cold start @ +25°C
Efficiency	> 83.5% (Ave. Active Mode)	> 87% (Ave. Active Mode)	> 87% (Ave. Active Mode)
Leakage current	< 0.25mA	< 0.25mA	< 0.25mA
<b>MECHANICAL DESIGN</b>			
Dimensions (L x W x H)	110mm x 62mm x 30mm	120mm x 61mm x 40mm	150mm x 70mm x 50mm
Unit weight / Box (kg)	0.22kg	0.28kg	0.55kg
MTBF	> 300,000 hrs.	> 300,000 hrs.	> 300,000 hrs.
Cooling	Convection, Enclosed Adapter	Convection, Enclosed Adapter	Convection, Enclosed Adapter
Input	AC Socket as per, 1. IEC 320 - C8 OR, 2. IEC 320 - C14	AC Socket as per, 1. IEC 320 - C8 OR, 2. IEC 320 - C14	AC Socket as per, 1. IEC 320 - C14
Output	Cable 18-AWG length 1.5m, with connector Barrel type & available in 2 diff sizes for internal pin viz: 2.5mmØ & 2.1mmØ	Cable 18-AWG length 1.5m, with connector Barrel type & available in 2 diff sizes for internal pin viz: 2.5mmØ & 2.1mmØ	Cable 18-AWG length 1.5m, with a 5 PIN DIN Standard
Shock test	40G, 11 ms. 3 shock in each direction	40G, 11 ms. 3 shock in each direction	40G, 11 ms. 3 shock in each direction
Vibration	5 - 500Hz @ 20 m/s <sup>2</sup> (2G peak) for 20 min/AXIS	5 - 500Hz @ 20 m/s <sup>2</sup> (2G peak) for 20 min/AXIS	5 - 500Hz @ 20 m/s <sup>2</sup> (2G peak) for 20 min/AXIS
<b>SAFETY / ENVIRONMENTAL</b>			
EMC / Emissions		CISPR EN55011 & FCC- Title 47 Class B conducted & radiated	
Harmonic Currents		Conforms to EN61000-3-2	
Voltage Flicker		EN61000-3-3	
ESD Immunity		EN61000-4-2, Level 3	
Radiated Immunity		EN61000-4-3, Level 3	
EFT/Burst		EN61000-4-4, Level 3	
Surge		EN61000-4-5, Level 3	
Conducted Immunity		EN61000-4-6, Level 3	
Dip & Interruptions		EN61000-4-11	
Safety Standards		UR / cUR As per Standard UL60601-1 / CSA 60601-1, Nemko EN 60601-1 CE Mark LVD and EMC CB As per IEC60601-1	
Galvanic isolation		Input to output: 4 Kvac	

Reference No.	Model No.
AMD-12V030W3AA	EOE11010101
AMD-24V060W3AA	EOE11010102
AMD-24V080W3CA	EOE11010103
AMD-12V030W3BA	EOE11010148
AMD-12V030W2AA	EOE11010149
AMD-12V030W2BA	EOE11010150
AMD-24V060W3BA	EOE11010151
AMD-24V060W2AA	EOE11010152
AMD-24V060W2BA	EOE11010154

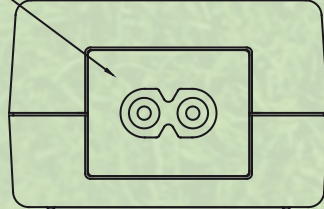
MODEL NUMBERING							
AM	D	-	xxV	yyyW	I	C	A
Medical Adapter Product	Desktop		Output Voltage	Output Power	Input Configuration # 2 - 2 Pin AC # 3 - 3 Pin AC	Connector Type A - Ø Inner 2.5 mm, B - Ø Inner 2.1 mm, C - 5 Pin Din (Ø Outer 5.5mm)	Delta Standard Product



## Input Configuration

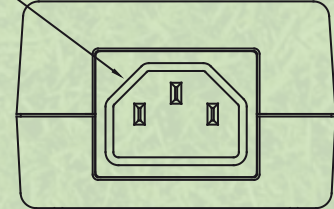
### 2 Pin AC

IEC 320 C8



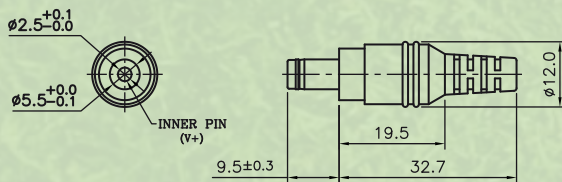
### 3 Pin AC

IEC 320 C14  
(W/GROUND)

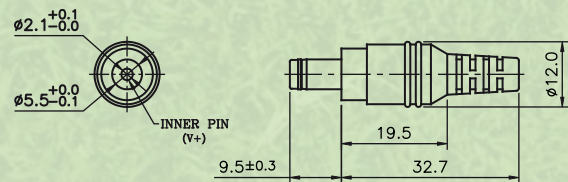


## Output Connector Type

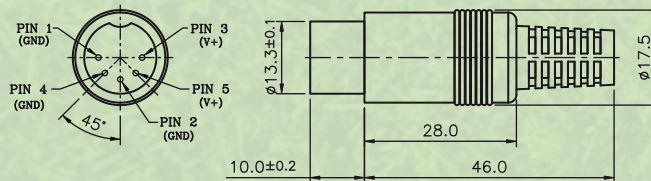
A



B



C



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