

UMDE 90W Series

Medical AC/DC Adaptor Standard Product







▲ UMDEB3090





Please contact our sales department for safety standard of each model.







2 x MOPP









Product Highlights

- Stability
- Energy and High Efficiency
- 2xMOPP
- Suitable for medical equipment

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection

Safety Standard

- **60601-1**
- PSE 別表第八

Efficiency

- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430

Emissions

- FCC
 - ■FCC Part18-B
- CE
 - ■EN(CISPR)55011-B
- VCCI-B
- BS EN55011

Immunity

- EN60601-1-2
- BS EN60601-1-2

The above specifications include the following test standards

- ✓ EN61000-4-2
- ✓ EN61000-4-3
- ✓ EN61000-4-4
- ✓ EN61000-4-5
- ✓ EN61000-4-6
- ✓ EN61000-4-8
- ✓ EN61000-4-11

V4



Electrical Spec

Input								
Description		Min.	Тур.	Max.	Units	Comment		
Voltage		90	100~240	264	Vac			
Frequency		47	50/60	63	Hz			
Power Factor	ACIN 100V	0.9	-	-	-			
	ACIN 230V	0.9	-	-	-			

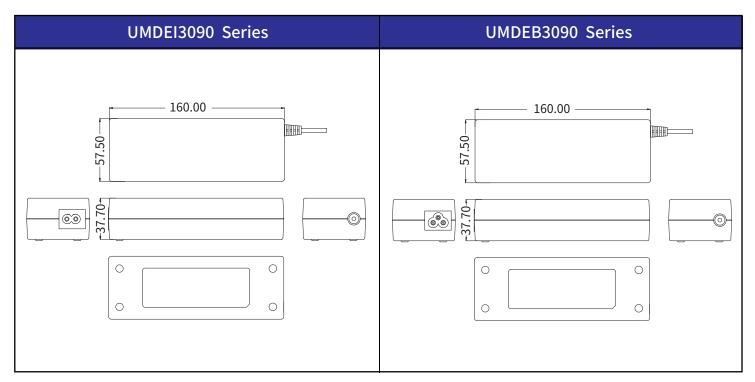
Environmental							
Description	Min.	Тур.	Max.	Units	Comment		
Operating Temperature	0	-	40	°C	Free Convection,Sea Level		
Storage Temperature	-20	-	65	°C	Free Convection,Sea Level		
Operating Humidity	5	-	95	%RH	No Condensing		
Storage Humidity	5	-	95	%RH	No Condensing		

Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-load power consumption	Option / Remark
UMDEx3090-120075SA	12.0V	7.5A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-150060SA	15.0V	6.0A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-190047SA	19.0V	4.73A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-240037SA	24.0V	3.75A	±5%	300mV	400mV	88.00%	0.21W	

Measurement Condition

Mechanical Spec



Please contact our sales department for details of each model

^{1.} Measurements shall be made with an oscilloscope with 20MHz bandwidth.

^{2.} Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF Low ESR electrolytic capacitor to simulate system loading.