UMDE 90W Series

UNIFIVE
2023.11.06 V3

Medical AC/DC Adaptor

▲ **UMDEI3090**

▲ **UMDEB3090**

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

Safety Certificate | Reliability Guarantee | Energy Saving | RoHS 2 | LPS | EMC | Medical Certification

Product Highlights

- Stability
- Compact Size
- Energy Efficiency
- Suit Medical Equipment, Health Device
- 2xMOPP/2xMOOP
- IEC/EN 60601-1-2

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 Part18 Class B
- CE CISPR 11 EN55011
- VCCI Class B
- BS EN55011

Immunity

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

Electrical Spec

Input						
Description		Min.	Typ.	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.	Typ.	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

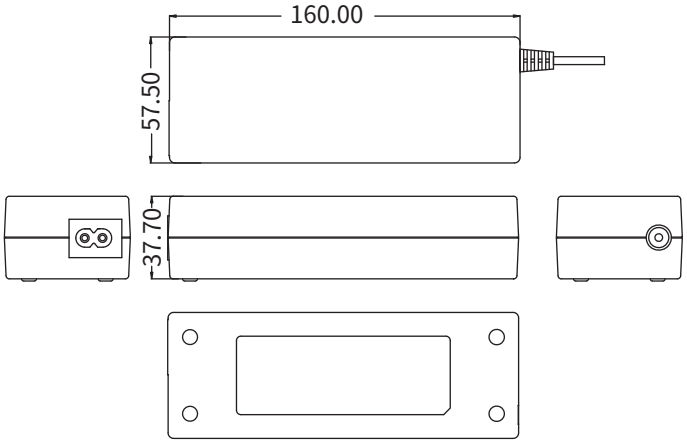
No.	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option/Remark
1	12.0V	7.5A	±5%	300mV	400mV	-	-	
2	15.0V	6.0A	±5%	300mV	400mV	-	-	
3	19.0V	4.73A	±5%	300mV	400mV	-	-	
4	24.0V	3.75A	±5%	300mV	400mV	-	-	

- Measurement Condition

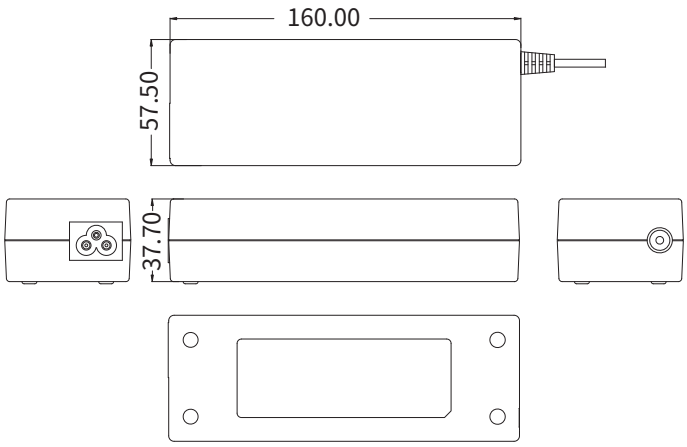
1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.

Mechanical Spec

UMDEI3090 Series



UMDEB3090 Series



- Please contact our sales department for details of each model