

# UMDE 120W Series

## Medical AC/DC Adaptor Standard Product



▲ UMDEC3120



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



Safety Certificate



Reliability Guarantee



Energy Saving



RoHS 2



EMC



LPS



Medical Certification

### Product Highlights

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

### Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection (Optional)

### 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

## 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

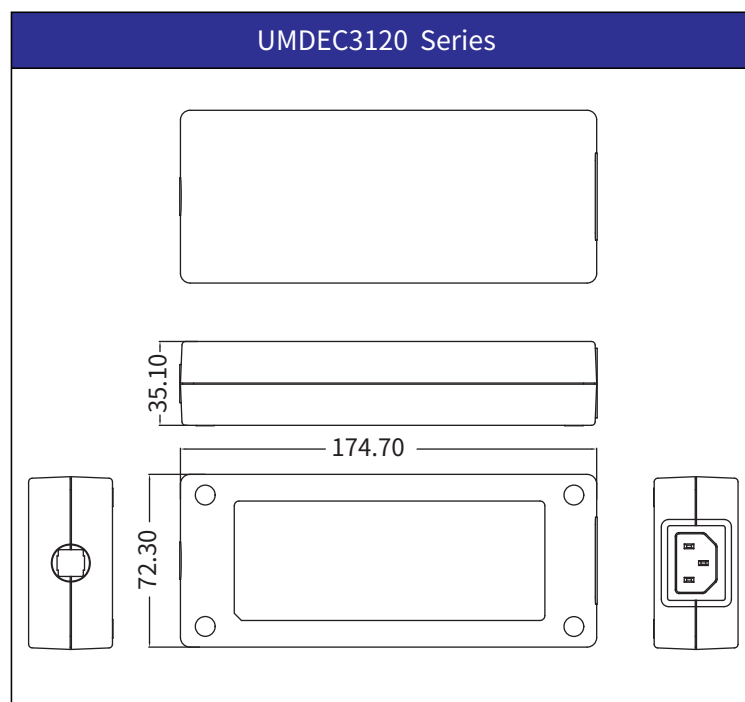
## Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-load power consumption	Option / Remark
UMDEC3120-120100SA	12.0V	10.0A	±5%	240mV	480mV	88.00%	0.21W	
UMDEC3120-150080SA	15.0V	8.0A	±5%	240mV	480mV	88.00%	0.21W	
UMDEC3120-190063SA	19.0V	6.3A	±5%	240mV	480mV	88.00%	0.21W	
UMDEC3120-240050SA	24.0V	5.0A	±5%	240mV	480mV	88.00%	0.21W	

■ 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



■ Please contact our sales department for details of each model ■