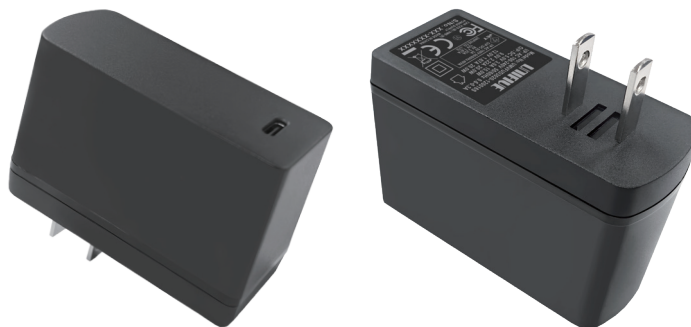


# UMVFXD 20W Series

**Medical AC/DC Adaptor**  
**USB PD**  
**USB-C**



▲ UMVFUD3020



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



Safety Certificate



Reliability Guarantee



Energy Saving



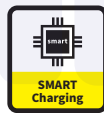
RoHS 2



EMC



LPS



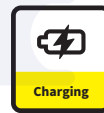
SMART Charging



Medical Certification



2xMOPP



Charging



Power Delivery

## Product Highlights

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

## Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current 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

## Immunity

- 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	

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

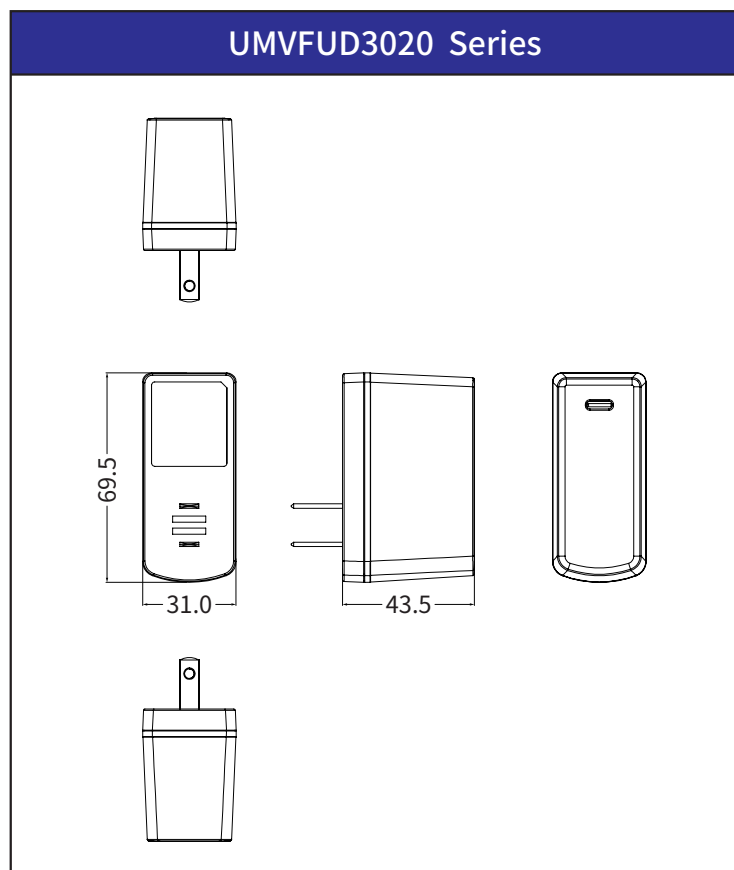
Output Condition	Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-Load Power Consumption	Option / Remark
USB-C	UMVFUD3020-120016S	5.0V	3.0A	±5%	150mV	200mV	81.39%	0.1W	PD
		9.0V	2.22A	±5%	240mV	240mV	85.47%		
		12.0V	1.67A	±5%	240mV	240mV	85.48%		

### ■ 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 Low ESR electrolytic capacitor to simulate system loading.

## Mechanical Spec



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