

UMDE 36W P Series

Medical AC/DC Adaptor Peak Power

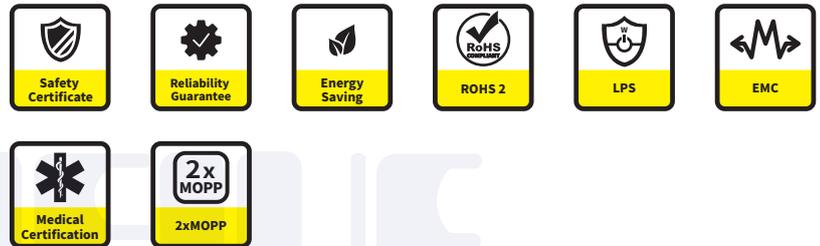


▲ UMDEI3036-XXXXXXPA

▲ UMDEB3036-XXXXXXPA



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



Product Highlights

- Stability
- Energy and High Efficiency
- Peak load 1.2 sec function
- Peak load is 170% rating output at most.
- Suitable for printers/motors/pump/amplifier products
- 2xMOPP
- Suitable for medical equipment

Efficiency

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

Protection

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

Emissions

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

Safety Standard

- 60601-1
- PSE 別表第八

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	

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	DC Output Peak Current	Peak Time (Tp)	Duty	Average Active Efficiency	No-Load Power Consumption	Option / Remark
UMDEx3036-120030PA	12.0V	3.0A	±5%	240mV	240mV	5.1A	1.2sec	0.2	87.40%	0.1W	
UMDEx3036-150024PA	15.0V	2.4A	±5%	240mV	240mV	4.1A	1.2sec	0.2	87.40%	0.1W	
UMDEx3036-190019PA	19.0V	1.9A	±5%	240mV	240mV	3.2A	1.2sec	0.2	87.40%	0.1W	
UMDEx3036-240015PA	24.0V	1.5A	±5%	240mV	240mV	2.5A	1.2sec	0.2	87.40%	0.1W	

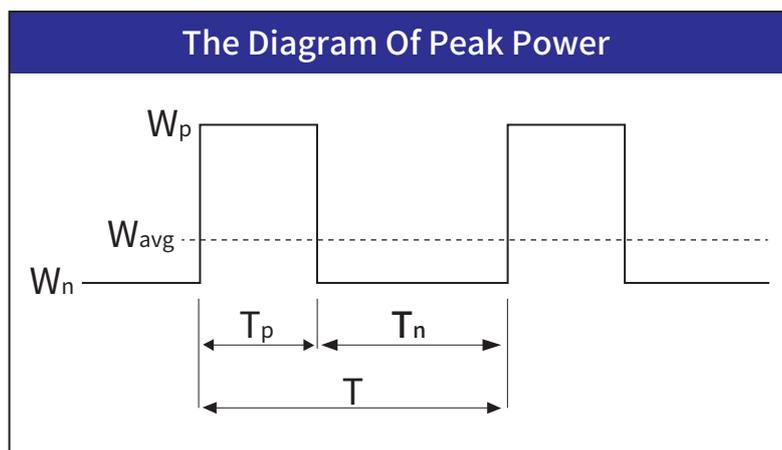
■ Measurement Condition

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.
3. It is not recommended to exceed the peak load specification value, as it may cause damage to the power supply. If the application range exceeds the calculated value, please contact us.

Peak power

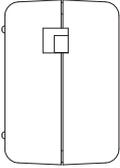
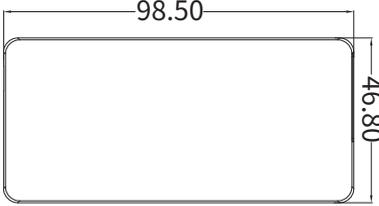
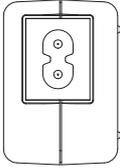
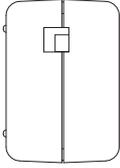
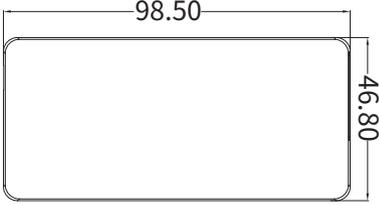
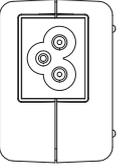
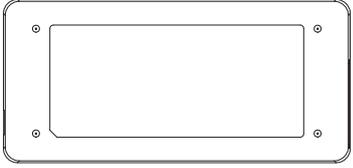
$$W_{avg} = \frac{W_p \times T_p + W_n \times (T - T_p)}{T} < 1.1 W_{rated}$$

$$Duty = \frac{T_p}{T}$$



- W_{avg} : The average of output (W)
- W_p : The peak output power (W)
- W_n : Off-peak output power (W)
- W_{rated} : Rated output power (W)
- T_p : The time of peak power (sec)
- T_n : Off-peak output power (sec)
- T : Time (sec)

Mechanical Spec

UMDEI3036 Series					
					
					
					



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