



# PHIHONG 10W Medical Grade Adapter

Phihong Technology is a leading global manufacturer of power supply products ranging from adapters, battery chargers, LED drivers, PoE, to energy storage products. As a top notch manufacturer in the power supply field for over 40 years, Phihong is recognized as a trustworthy brand around the world.

Phihong's new 10W adapter series for medical applications has 5V, 6V, 9V, 12V and 24V output voltages. These 10W adapters meet or exceed DoE Level VI and CoC V tier 2 efficiency requirements. They achieve both extremely low no-load input power consumption (<75mW) and high efficiency up to 82%.

These new 10W adapters have ultra high reliability and excellent EMC performance, they can work well with the poor power grid quality in the emerging markets and support the majority of medical applications.



R type case

Case Color : White / Black



North America



Brazil



Argentina



Australia



Europe



Korea



China



United Kingdom



Detachable plug

## Features

- Universal input voltages, 90-264Vac, 47-63Hz
- Ultra high efficiency from 79%
- No-load input power < 75mW
- Low leakage current < 100µA
- Operating temperature 0°C ~ +40°C
- OVP、OCP、SCP、OTP
- High reliability
- Meet Type BF requirement
- Interchangeable plug with US, EU, UK, Brazil, Korea, China, Australia and Argentina
- Meet DoE Level VI and CoC V tier 2 efficiency requirements.
- LPS compliant

## Applications

- Home healthcare equipment
- Patient monitor
- Blood pressure system
- Portable medical devices
- ECG machine
- Respirator
- Beauty care electronics, e.g. facial cleansing appliance and hair remover

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## Specification

	Model Name	PMA09R-060A-R	PMA09R-090A-R	PMA10R-050A-R	PMA10R-120A-R	PMA10R-120A-R
AC input	Input voltage	90~264Vac				
	Nominal voltage	100~240Vac				
	Frequency	47~63Hz				
	Max. input current	0.3A max at 100Vac				
	AC inrush current	60A max at cold start and 264Vac input				
	No load input power	≤ 75mW at 230Vac input				
	Efficiency average	79% min; 82% min				
DC output	Output voltage	6V	9V	5V	12V	24V
	Output current	1.5A	1A	2A	0.8A	0.4A
	Output ripple & noise	≤ 100mVp-p	≤ 100mVp-p	≤ 100mVp-p	≤ 120mVp-p	≤ 240mVp-p
	Turn-on delay time	< 3s				
	Rise time	< 20ms				
	Over-shoot	< 10% of nominal output				
	Hold-up time	16ms minimum at 115Vac/60Hz and rated load				
Protection	OVP	< 10V	< 13V	< 9V	< 16V	< 32V
	OCP	Auto Recovery and comply with LPS requirement				
	SCP / OTP	Auto Recovery				
Environmental	Operating temperature	5°C ~ +40°C				
	Storage temperature	-25°C ~ +70°C				
	Operating relative humidity	15% to 93% RH				
	Storage relative humidity	10% to 93% RH				
	Mean time between failures	50K hr min. at 25°C				
Safety compliance	Earth leakage current	< 100μA under normal condition at 264Vac/50Hz				
	Dielectric withstand voltage	Primary to secondary, 4000Vac, 1 minute				
	Insulation resistance	> 100MΩ, 500Vdc between input and output terminals				
Mechanical	Dimension	50 x 71.7 x 20 mm				
	DC output cable	UL1185 20AWG color ; 1500mm ± 50 mm				
	Ac plug	US, EU, UK, Brazil, China, Korea, Australia and Argentina				
	Note:	Please inquire us for white case				

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