



PHIHONG 36W 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 36W medical grade adapter have 12V/3.0A output. This 36W adapter meets or exceeds 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 88%.

This new 36W adapter has the ultra high reliability and excellent EMC performance, it 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



Detachable plug

Features

- Universal input voltages, 90~264Vac, 47~63Hz
- Ultra high efficiency up to 88%
- No-load input power < 75mW
- Low leakage current < 100μA
- Operating temperature 0°C ~ +40°C
- Interchangeable plug with US, EU, UK, Brazil, Korea, China, Australia and Argentina
- High reliability
- Meet DoE Level VI and CoC V tier 2 efficiency requirements.
- LPS compliant
- OVP 、 OCP 、 SCP 、 OTP
- Meet Type BF requirement

Applications

- Blood glucose meter
- Blood pressure system
- Nebulizer
- Portable medical devices

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Specification

	Model Name	PMA36R-120A-R
AC input	Input voltage	90 ~ 264VAC
	Nominal voltage	115 ~ 230VAC
	Frequency	47 ~ 63Hz
	Max. input current	1.2A max at 100VAC
	AC inrush current	80A max at cold start and 264VAC input
	No load input power	≤75mW at 230VAC input
	Efficiency average	88.3%
DC output	Output voltage	12V ± 5%
	Output current	3A
	Output ripple & noise	≤150mVp-p
	Turn-on delay time	< 3 sec
	Rise time	< 20ms
	Over-shoot	<10% of nominal output
	Hold-up time	16mS minimum at 115Vac/60Hz and rated load
Protection	OVP	<17V
	OCP	Auto Recovery and comply with LPS requirement
	SCP	Auto Recovery
	OTP	Latch
Environmental	Operating temperature	0°C ~ +40°C
	Case surface temperature rise	< +40°C
	Storage temperature	-25°C ~ +85°C
	Operating relative humidity	15% to 95% RH
	Storage relative humidity	10% to 95% RH
	Altitude	0 to 3000M
Mean time between failures		> 50K hrs at following conditions : ♦ Nominal line voltage and rated load ♦ Ambient temperature, 25°C typical ♦ Part stress method : MIL-STD-217F
Safety compliance	Earth leakage current	< 100μA under normal condition at 240Vac/50Hz
	Dielectric withstand voltage	Primary to secondary, 4000Vac, 1 minute
	Insulation resistance	10MΩ(Min), 500Vdc between input and output terminals
EMC standards	Emission	FCC part 15 class B ; EN55011 class B
	Immunity	EN60601-1-2 Ed4 2014
Mechanical	Dimension	51.5 x 106.5 x 38.5 mm Tolerance : ±0.5 mm
	Case flammability	UL94V-0
	DC output cable	UL1185 18AWG ; 1800mm ±50 mm
	DC plug	Right Angle OD : φ5.5 mm ; ID : φ2.1 mm ; Metal Barrel Length : 10 mm
	DC plug pin assignment	Inner (+V), Outer GND (-)
		Interchangeable plug with US, EU, UK, Brazil, Korea, China, Australia and Argentina

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