



12V/3A 36W Adapter for Medical Applications

PMA36R-120A-R

- Interchangeable plug
- Type BF
- DoE 6



The 36W adapter with interchangeable AC clips for medical applications is the latest offering from a world leader of charging adapter - Phihong Technology. This R-type medical adapter with cable has 8 types of AC clips to meet clients' needs. Featuring universal input from 90V to 264V, this 36W adapter has 12V output voltage. It meets Type BF requirements. To achieve energy saving goal, it meets DoE Level VI and CoC V5 tier 2 energy efficiency requirements.

Features :

Efficiency	DoE Level VI
No Load Input Power	≤ 100mW @ 230VAC input
Protection	OVP, OCP, SCP, OTP
Insulation Resistance	>10MΩ @ 500Vdc
Dielectric Withstand Voltage	Primary to secondary, >4000Vac, 1 minute
OVP	Output voltage shall not exceed 17V
OCP, SCP	Auto recovery
OTP	Latch mode
Average Efficiency	87.4% min.
Weight	220g
Dimension (mm)	51.5 x 106.5 x 39.5
AC Plug	US, EU, UK, Brazil, China, Korea, Argentina, Australia

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	1.2A max at 100Vac
Output Voltage	12V
Output Current	3A
Maximum Output Power	36W
Output Ripple & Noise	150mVp-p
Leakage Current	<100uA @ 240Vac/50Hz (meet Type BF)
AC Inrush Current	80A max, cold start and at rated input
Over-shoot	<10% of nominal voltage value
Hold-up Time	5ms min @ 115Vac/60Hz and 10ms min @ 230Vac/50Hz
Turn-On Delay Time	<3s at normal input AC voltage and full load.
Rise Time	<20ms, 10%~90%

Environmental Specifications :

Operating Temperature	10°C ~ +40°C
Storage Temperature	-25°C ~ +80°C
Humidity, Operation	10% ~ 90% RH
Humidity, Storage	10% ~ 90% RH
MTBF (MIL-STD-217F)	>50K hr at 25°C

Safety and Compliance :



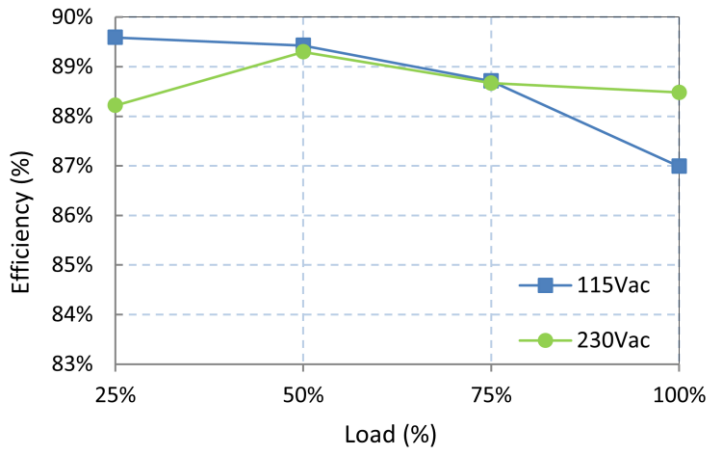
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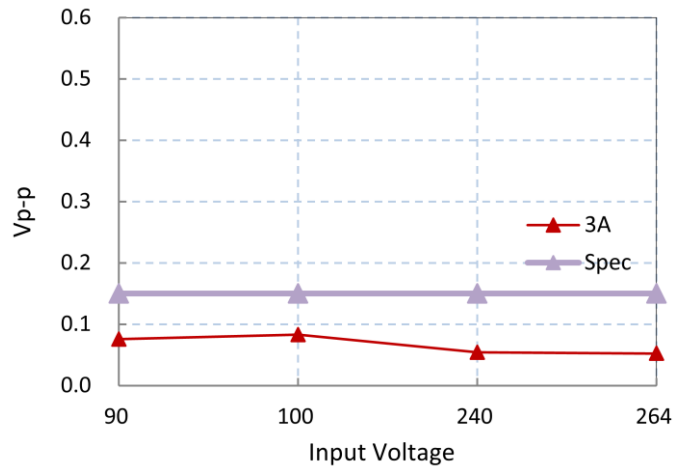
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● Interchangeable plug ● Type BF ● DoE 6

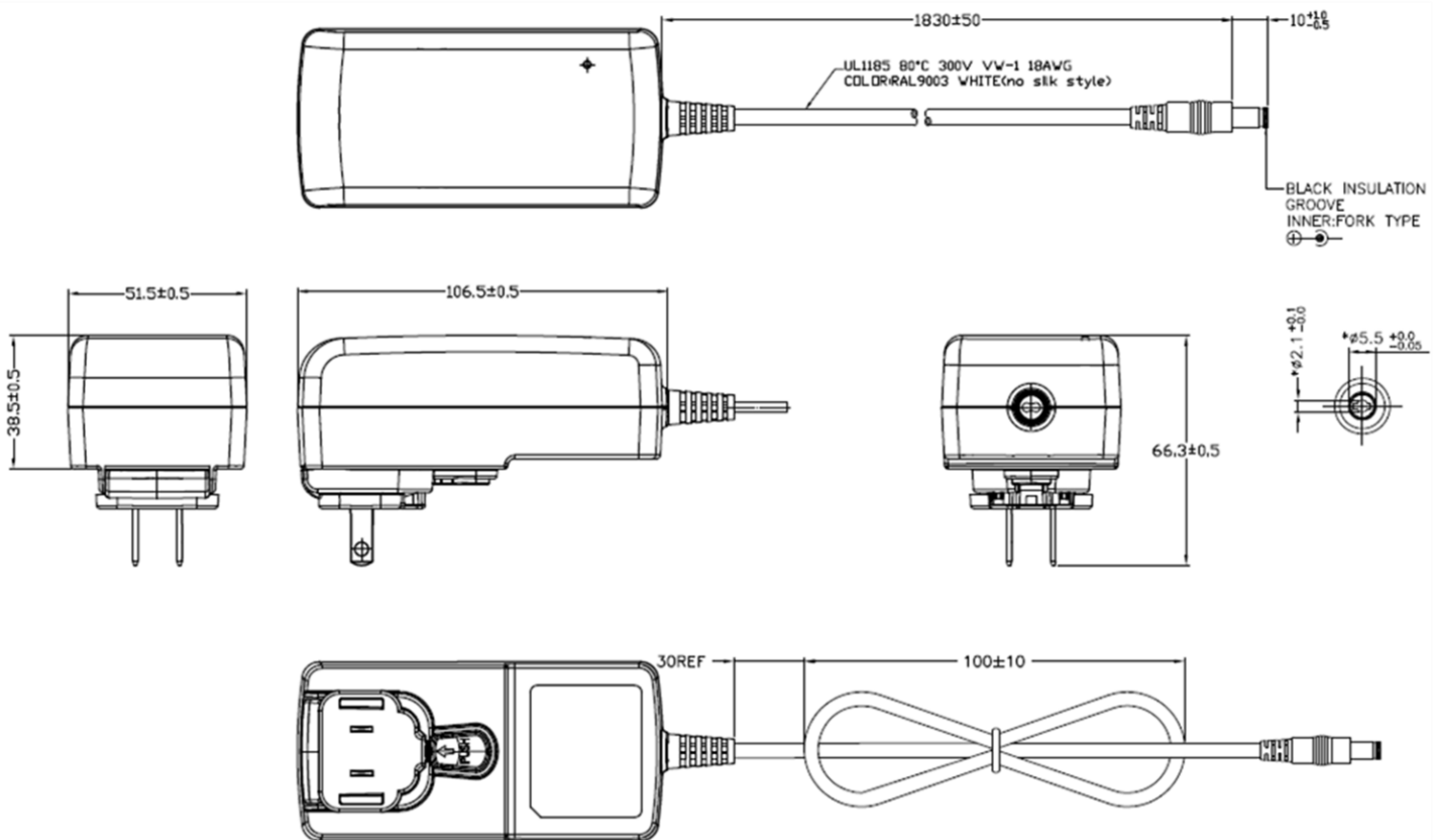
Efficiency



Noise & Ripple



Dimensions: mm





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Model Selections

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Model Number	Case Color	Output Current (A)	Output Voltage (Vdc)	Max. Output Power (W)
PMA36R-120A-R	White	3	12	36
AC clips : US, EU, UK, Brazil, Korea, China, Australia and Argentina				

AC Clip Selections

Country	White Model Number
US	RPA-MAB1W-R
EU	RPE-MAB1W-R
UK	RPK-MAB1W-R
China	RPC-MAB1W-R
Brazil	RPB-MAB1W-R
Korea	RPH-MAB1W-R
Australia	RPS-MAB1W-R
Argentina	RPN MAB1W-R

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