

## Special Features

- Universal Input Voltage range
- High Efficiency and Reliability
- Small size and low profile
- AC inlet: plug-in type  
(European/UL/CCC/UK)
- High power density
- Low lose in empty load
- Low output ripple
- MTBF demonstrated: >35,000 hours



## Electrical Specs

### Input

- Input voltage  90~264 VAC
- Frequency  47-63 Hz
- Input Current  0.5A @Vin90Vac full load
- Inrush Current  30/60A Max @Vin110/230Vac, Cold start
- Efficiency  70% min
- Leakage Current  <0.5mA @ 50/60 Hz.

### Output

- Maximum power  18W max
- Hold Up Time  ≥10 msec 240Vac input voltage
- Overload protection  ≤ 150% @ all input voltage
- Over shoot  ≤ 10% of normal voltage value.
- SCP  short circuited protection and with auto- recovery function

## Environment

- Operating temperature : 0° to 40°C
- Storage temperature : -20°C to +80°C
- Operating Humidity : 20% to 80% RH.
- Storage Humidity : 5% to 95% RH
- Vibration:  
Three orthogonal axes, sweep at 1 oct/min,  
5 min. dwell at four  
major resonances 0.75G peak 5Hz to  
500Hz, operational.

## Safety

- UL/CUL (UL60950-1)
- CE (EN60950-1)
- CCC
- EMC standard: EN55022 and FCC part 15 (class B)



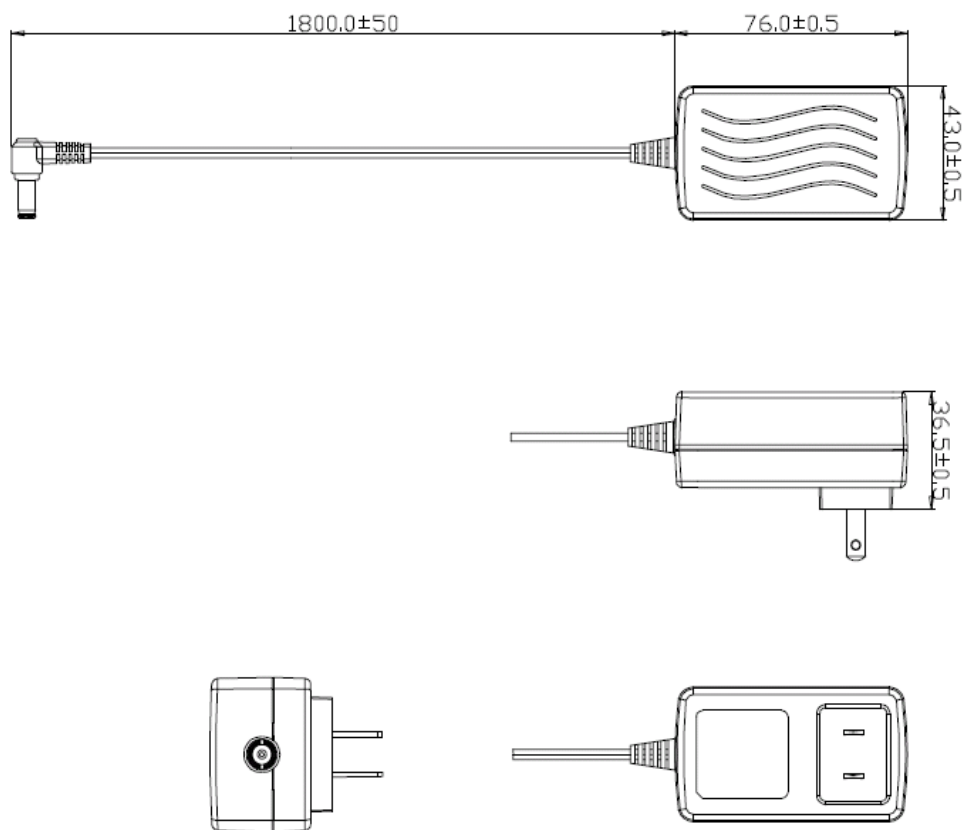
## Contact Information

WEBSITE: WWW.PHIPOL.COM  
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info@phipol.com

## Ordering Information

Part Number	Input Volts	Output Volts	Road	Max Power	Regulation	Ripple P/P (PARD)
VA16A-XXXXXX	100~240 Vac	5V-24V	0.2A-2A	18 W	± 5%	50-250mV
VA16B-XXXXXX	100~240 Vac	5V-24V	0.2A-2A	18 W	± 5%	50-250mV
VA16C-XXXXXX	100~240 Vac	5V-24V	0.2A-2A	18 W	± 5%	50-250mV
VA16D-XXXXXX	100~240 Vac	5V-24V	0.2A-2A	18 W	± 5%	50-250mV
VA16E-XXXXXX	100~240 Vac	5V-24V	0.2A-2A	18 W	± 5%	50-250mV

## Mechanical Drawing



**Notes:**

1. Dimensions shown in mm as left.
2. Size: 76 x 43x 36.5mm (+/-1.0mm)
3. AC inlet and DC cable: Of your choice.



Concentric Barrel Plug		
A (OD)	B (ID)	C (L)
6.5	3.0	8~14
5.5	2.5	8~14
5.5	2.1	8~14
5.0	2.5	8~14
5.0	2.1	8~14
3.8	1.35	8~14
3.8	1.05	8~14
3.5	1.35	7~14