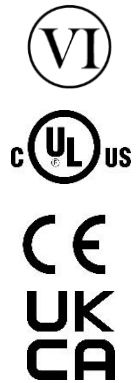




# 24W Desktop C8 Adapter Series



## Features

- DOE Level VI Efficiency Compliant
- EU CoC Tier 2 Compliant (except 5V, 5.9V, 10V, 11V models)
- Over Voltage, Short Circuit and Over Current Protection
- Non-Vented/Spill-Proof Case
- Class B EMI

## Applications

- Networking
- Peripherals
- Consumer Electronics

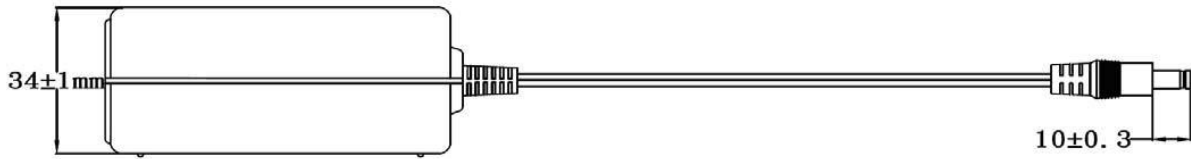


# PPL24W Series Specifications<sup>1</sup>

Model		PPL24W-480
Output	DC Output Voltage	48.0V
	Max Current	0.5A
	Output Power	24.0W
	Regulation	± 5%
	Ripple & Noise P-P(max) <sup>2</sup>	480mV
Input	AC Input Voltage Range	90 to 264VAC
	AC Input Frequency	47 to 63Hz
	Input Current	0.58A max
	Inrush Current	50A max., 100VAC; 60A max., 230VAC
	No Load Power Consumption at 115VAC Input	0.05W
	No Load Power Consumption at 230VAC Input	0.07W
	115VAC Average Efficiency <sup>3</sup>	89.3%
	230VAC Average Efficiency <sup>3</sup>	88.0%
	230VAC 10% Load Efficiency <sup>3</sup>	77.3%
	Leakage Current	<3.5A
Protection	Over-Voltage	75V max
	Short Circuit	Auto-recover after short-circuit fault is removed
	Over-Current	1.2A max
Environmental	Operating Temperature	0°C to +40°C
	Non-Operating Temperature	-20° to +80°C
	Operating Humidity	20 to +80%
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA
	Insulation Resistance	Primary to Secondary: 10M ohm for 500VDC
	Standards	cULus 62368-1, IEC 62368-1
	EMI Emissions	FCC Part 15 Class B, CAN ICES-003(B)/NMB-003(B), EN 55032/CISPR 32 Class B Conducted and Radiated
	Harmonic Current Emissions	IEC 61000-3-2
	Voltage Fluctuations & Flicker	IEC 61000-3-3
	Immunity	EN 55024/CISPR 24: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
Mechanical	Dimensions (L x W x H)	88.5mm (3.48in) x 50mm (1.97in) x 34mm (1.34in)
	Weight	170g
	Cable Length	1500mm
	DC Cable Type	22 AWG
	DC Output Connector	2.1mm x 5.5mm x 10.0mm
	DC Plug Pin Assignment	Inner (V+) / Outer GND (V-)
	Input Connector	IEC 60320 C8
Notes	<ol style="list-style-type: none"> <li>The specifications defined are at ambient temperature of 25C, unless otherwise specified.</li> <li>20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load).</li> <li>Efficiency is measured after 30 minutes burn-in.</li> </ol>	



# PPL24W Outline Drawing

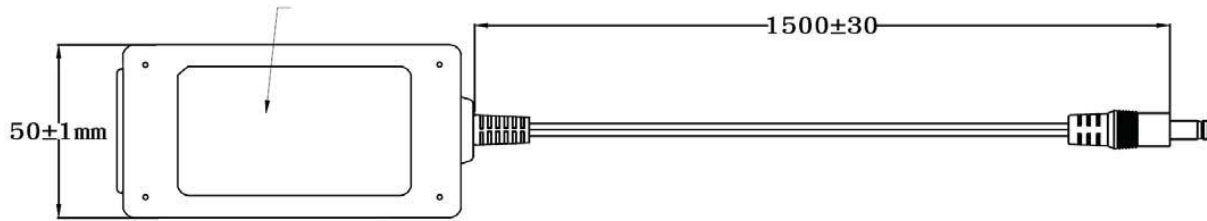


SIDE VIEW

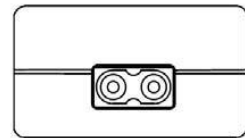


TOP VIEW

LABEL



BOTTOM VIEW



FRONT-VIEW



**Supplier's Declaration of Conformity  
47 CFR § 2.1077 Compliance Information**

Phihong USA Corporation  
47800 Fremont Boulevard  
Fremont, CA 94538  
Telephone: (510) 445-0100  
[www.phihong.com](http://www.phihong.com)

*This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.*



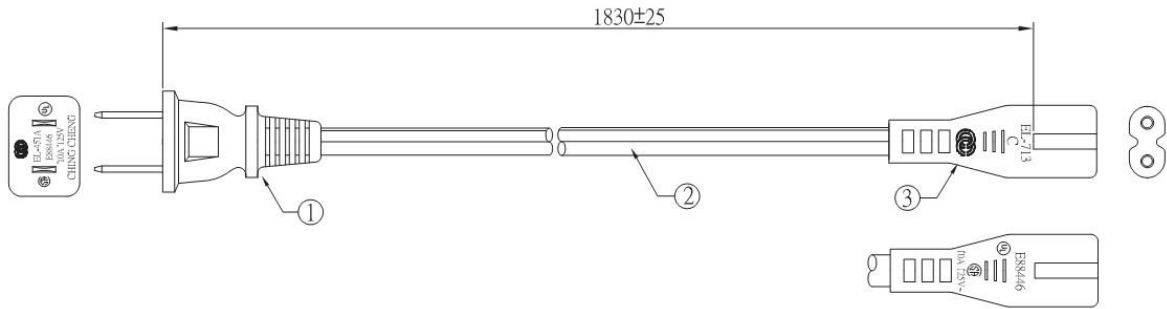
# Line Cords Sold Separately

Model		AC15WNA-C-R	AC15WNA-R	AC15WEU-R	AC15WUK-R
Specifications	Plug Type	North America NEMA 1-15P	North America NEMA 1-15P	Continental Europe CEE 7XVI	United Kingdom BS 1363
	Connector	IEC320 C7	IEC320 C7	IEC320 C7	IEC320 C7
	Wire Size	18 AWG	18 AWG	0.75mm	0.75mm
	Temperature	60°C	60°C	60°C	60 °C
	Amperage Rating	10A	10A	2.5A	2.5A
	Voltage Rating	125V	125V	250V	250V
	Cable Length	1830mm	1830mm	1830mm	1830mm
Safety Approvals		CSA; UL	CSA; UL	CEBEC; DEMKO; DVE; FIMKO; GOST; IMQ; KEMA; NEMKO; NF; OVE; SEMKO; SEV	BSI; Safety Mark
Photos					

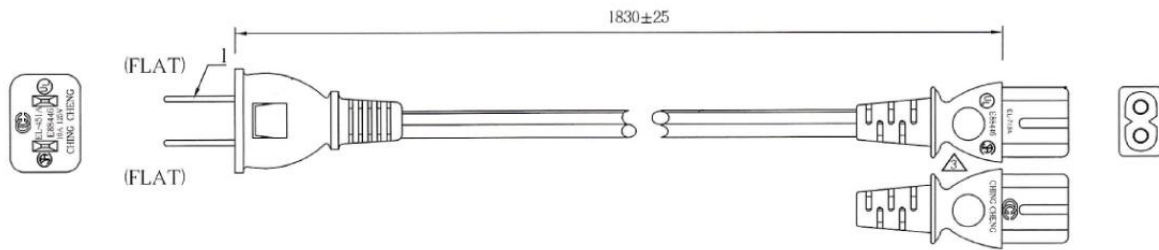


# Line Cords Outline Drawings

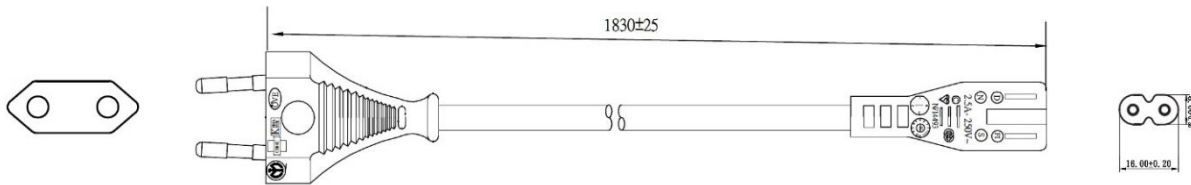
**AC15WNA-C-R**



**AC15WNA-R**



**AC15WEU-R**



**AC15WUK-R**

