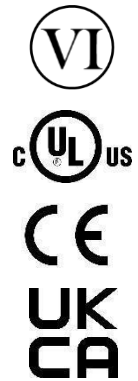




# 24W Desktop C14 Adapter Series



## 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

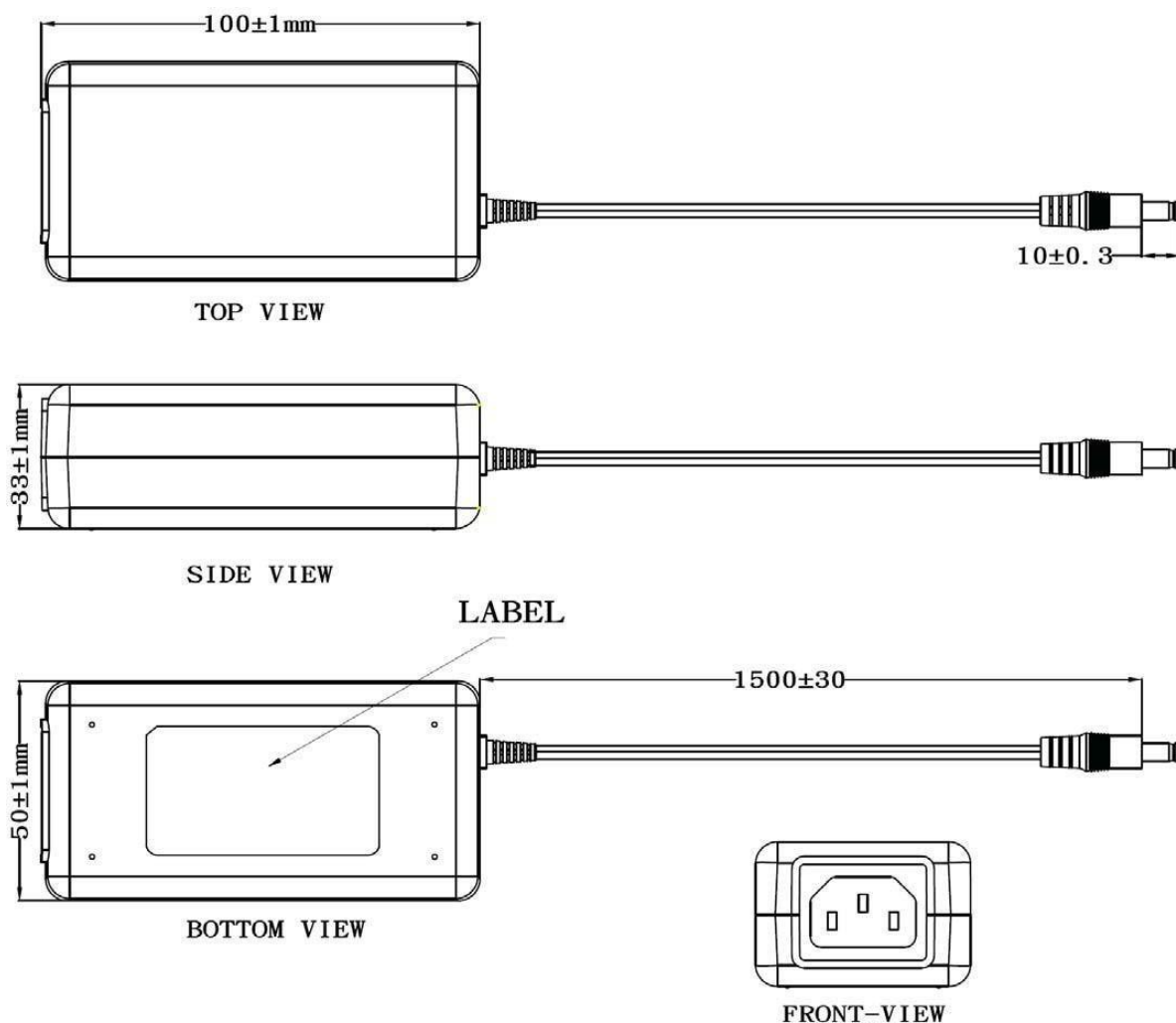


# PPL24U Series Specifications<sup>1</sup>

Model		PPL24U-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	≤ 0.1W
	No Load Power Consumption at 230VAC Input	≤ 0.075W
	115VAC Average Efficiency <sup>3</sup>	≥ 84.2%
	230VAC Average Efficiency <sup>3</sup>	≥ 85.0%
	230VAC 10% Load Efficiency <sup>3</sup>	≥ 75.5%
	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 55035/CISPR 35: 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)	100mm (3.94in) x 50mm (1.97in) x 33mm (1.3in)
	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 C14
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>	



# PPL24U Outline Drawing








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

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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.*



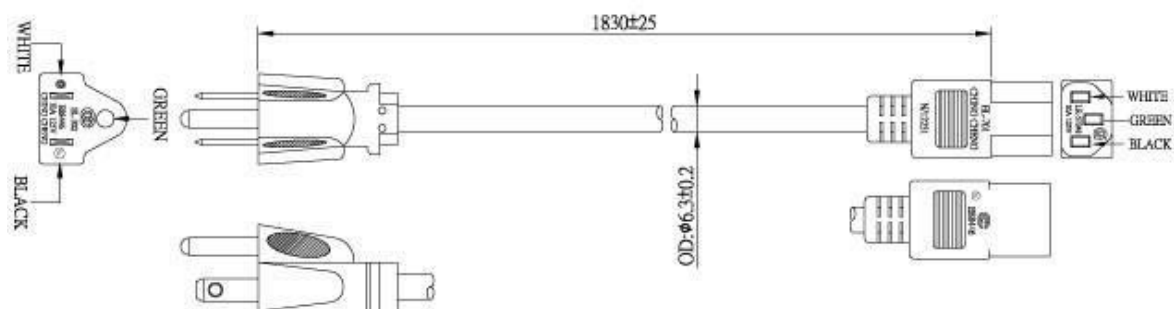
# Line Cords Sold Separately

Model		AC30UNA-R	AC30UEU-R	AC30UUK-R
Specifications	Plug Type	North America NEMA 5-15P	Continental Europe CEE 7VIII	United Kingdom BS 1363
	Connector	IEC320 C13	IEC320 C13	IEC320 C13
	Wire Size	18 AWG	0.75mm	1.0mm
	Temperature	60°C	70°C	70 °C
	Amperage Rating	10A	6A	10A
	Voltage Rating	125V	250V	250V
	Cable Length	1830mm	1830mm	2500mm
Safety Approvals		CSA; UL	CEBEC; DEMKO; DVE; FIMKO; GOST; IMQ; KEMA; NEMKO; NF; OVE; SEMKO	BSI; Safety Mark
Photos				

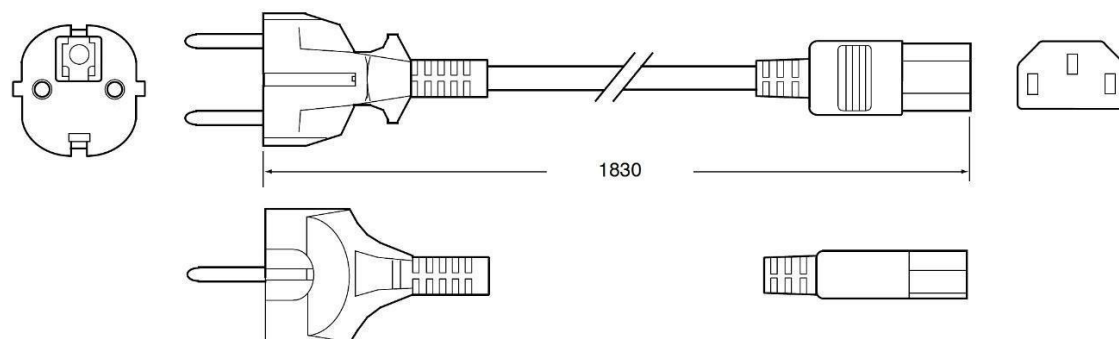


# Line Cords Outline Drawings

**AC30UNA-R**



**AC30UEU-R**



**AC30UUK-R**

