65W Desktop C14 Adapter Series

Features

- DOE Level VI Efficiency Compliant
- ErP/Ecodesign Directive 2009/125/EC – Regulation EU 2019/1782 Compliant
- EU CoC Tier 2 Compliant
- Over Voltage, Short Circuit and Over Current Protection
- Non-Vented/Spill-Proof Case
- Class B EMI

Applications

- Networking
- Peripherals
- Consumer Electronics

Phihong Taiwan - No.568, Fuxing 3rd Rd., Guishan Dist.,Taoyuan City (33383), Taiwan, ROC
Phihong USA - 47800 Fremont Blvd. Fremont, CA 94538, USA
Phihong Europe - Wattstraat 50, 2171 TR Sassenheim, The Netherlands

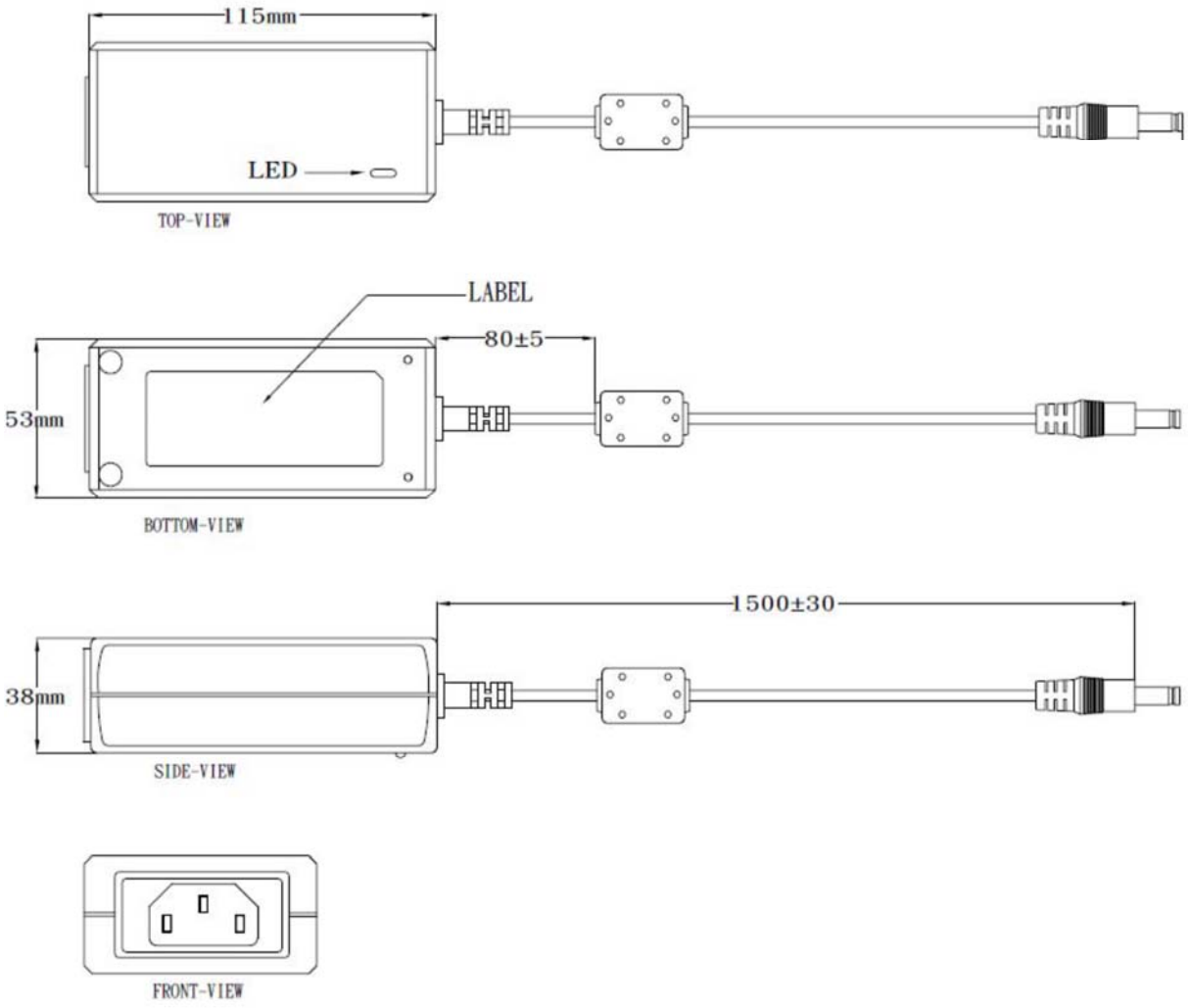
PPL65U Series Specifications[1]

Model		PPL65U-120	PPL65U-135	PPL65U-150	PPL65U-160
Output	DC Output Voltage	12.0V	13.5V	15.0V	16.0V
	Max Current	5.0A	4.82A	4.34A	4.07A
	Output Power	60.0W	65.1W	65.1W	65.12W
	Regulation	± 5%	± 5%	± 5%	± 5%
	Ripple & Noise P-P(max)[2]	120mV	135mV	150mV	160mV
Input	AC Input Voltage Range	90 to 264VAC			
	AC Input Frequency	47 to 63Hz			
	Input Current	1.4A max			
	Inrush Current	80A max., 240VAC (Cold Start at ambient 25°C, full load)			
	No Load Power Consumption at 115VAC Input	0.031W	0.04W	0.037W	0.05W
	No Load Power Consumption at 230VAC Input	0.034W	0.06W	0.031W	0.06W
	115VAC Average Efficiency[3]	88.4%	89.1%	89.5%	89.4%
	230VAC Average Efficiency[3]	89.1%	90.0%	90.3%	89.8%
	230VAC 10% Load Efficiency[3]	87.4%	86.6%	87.7%	86.8%
	Leakage Current	<3.5mA			
Protection	Over-Voltage	150% max	150% max	150% max	150% max
	Short Circuit	Auto-recover after short-circuit fault is removed			
	Over-Current	180% max	180% max	180% max	180% max
Environmental	Operating Temperature	0ºC to +40ºC			
	Non-Operating Temperature	-20º to +80ºC			
	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)	115mm (4.53in) x 53mm (2.09in) x 38mm (1.50in)			
	Weight	310g			
	Cable Length	1500mm			
	DC Cable Type	16 AWG	16 AWG	16 AWG	16 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			

Model		PPL65U-180	PPL65U-190	PPL65U-200	PPL65U-240
Output	DC Output Voltage	18.0V	19.0V	20.0V	24.0V
	Max Current	3.62A	3.43A	3.25A	2.71A
	Output Power	65.2W	65.2W	65.0W	65.04W
	Regulation	± 5%	± 5%	± 5%	± 5%
	Ripple & Noise P-P(max)[2]	180mV	190mV	200mV	240mV
Input	AC Input Voltage Range	90 to 264VAC			
	AC Input Frequency	47 to 63Hz			
	Input Current	1.4A max			
	Inrush Current	80A max., 240VAC (Cold Start at ambient 25°C, full load)			
	No Load Power Consumption at 115VAC Input	0.033W	0.035W	0.05W	0.044W
	No Load Power Consumption at 230VAC Input	0.033W	0.034W	0.07W	0.043W
	115VAC Average Efficiency[3]	88.7%	88.5%	88.9%	89.7%
	230VAC Average Efficiency[3]	89.6%	89.4%	89.4%	90.3%
	230VAC 10% Load Efficiency[3]	87.6%	87.4%	87.4%	87.4%
	Leakage Current	<3.5mA			
Protection	Over-Voltage	150% max	150% max	150% max	150% max
	Short Circuit	Auto-recover after short-circuit fault is removed			
	Over-Current	180% max	180% max	180% max	180% max
Environmental	Operating Temperature	0ºC to +40ºC			
	Non-Operating Temperature	-20º to +80ºC			
	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)	115mm (4.53in) x 53mm (2.09in) x 38mm (1.50in)			
	Weight	310g			
	Cable Length	1500mm			
	DC Cable Type	18 AWG	18 AWG	18 AWG	18 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			

Model		PPL65U-300	PPL65U-320	PPL65U-480	PPL65U-560
Output	DC Output Voltage	30.0V	32.0V	48.0V	30.0V
	Max Current	2.17A	2.04A	1.36A	2.17A
	Output Power	65.1W	65.3W	65.3W	65.1W
	Regulation	± 5%	± 5%	± 5%	± 5%
	Ripple & Noise P-P(max)[2]	300mV	320mV	480mV	560mV
Input	AC Input Voltage Range	90 to 264VAC			
	AC Input Frequency	47 to 63Hz			
	Input Current	1.4A max			
	Inrush Current	80A max., 240VAC (Cold Start at ambient 25°C, full load)			
	No Load Power Consumption at 115VAC Input	0.07W	0.07W	0.075W	0.091W
	No Load Power Consumption at 230VAC Input	0.08W	0.08W	0.071W	0.089W
	115VAC Average Efficiency[3]	88.9%	89.2%	90.4%	90.7%
	230VAC Average Efficiency[3]	89.5%	89.9%	91.1%	91.3%
	230VAC 10% Load Efficiency[3]	87.2%	87.8%	87.4%	87.0%
	Leakage Current	<3.5mA			
Protection	Over-Voltage	150% max	150% max	150% max	150% max
	Short Circuit	Auto-recover after short-circuit fault is removed			
	Over-Current	180% max	180% max	180% max	180% max
Environmental	Operating Temperature	0ºC to +40ºC			
	Non-Operating Temperature	-20º to +80ºC			
	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)	115mm (4.53in) x 53mm (2.09in) x 38mm (1.50in)			
	Weight	310g			
	Cable Length	1500mm			
	DC Cable Type	18 AWG	18 AWG	22 AWG	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	1. The specifications defined are at ambient temperature of 25C, unless otherwise specified. 2. 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). 3. Efficiency is measured after 30 minutes burn-in.				

PPL65U Outline Drawing



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

PPL65U-120
PPL65U-135
PPL65U-150
PPL65U-160
PPL65U-180
PPL65U-190
PPL65U-200
PPL65U-240
PPL65U-300
PPL65U-320
PPL65U-480
PPL65U-560

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

NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

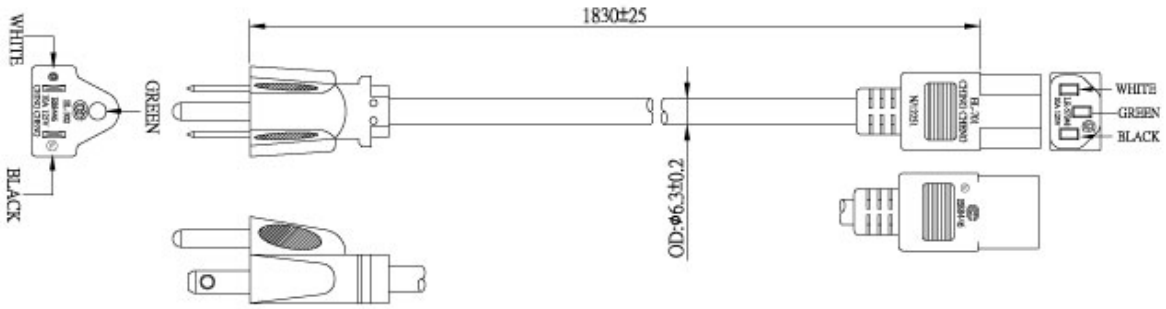
Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

PPL65U Line Cords Sold Separately

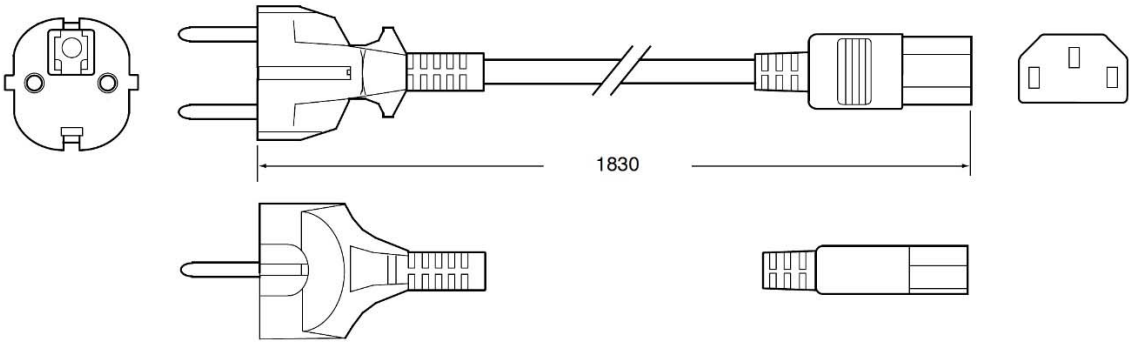
Model		AC30UNA-R	AC30UEU-R	AC30UUK-R
Specifications	Plug Type	North America NEMA 5-15P	Continental Europe CEE 7VIII	United Kingdom BS 1363
	Connector	IEC320 C13	IEC320 C13	IEC320 C13
	Wire Size	18 AWG	0.75mm	1.0mm
	Temperature	60ºC	70ºC	70 ºC
	Amperage Rating	10A	6A	10A
	Voltage Rating	125V	250V	250V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

PPL65U Line Cords
Outline Drawings

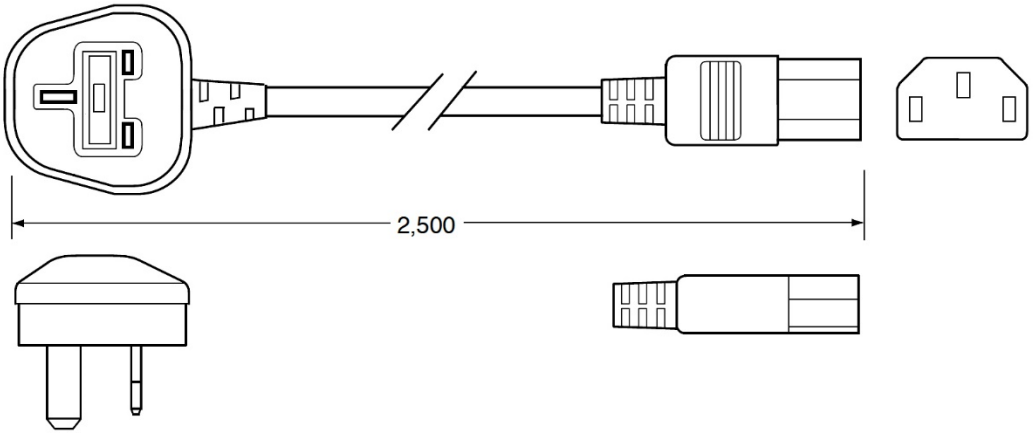
AC30UNA-R



AC30UEU-R



AC30UUK-R



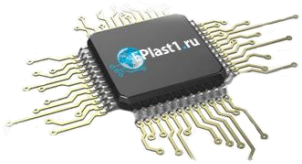
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.