

INDUSTRIAL PRODUCT DATASHEET

Power Adapter, 12V/2A/24W, European Standard Plug, DC Output, 1.5m

12V/2A/24W European standard plug power adapter with 1.5m DC output, offering stable, efficient, and long-lasting performance for personal, home, office, and industrial use.

SKU

110061506

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PRICE

\$7.00(Excl. VAT)



Overview



The Power Adapter (12V/2A/24W, European Standard Plug, DC Output, 1.5m) provides a stable power supply with an average efficiency of 86.2% and a lifespan of over 30,000 hours. Its compact, portable design suits personal electronic devices, home appliances, office equipment, and industrial equipment.

Key Features

- **Stable Power Supply:** Maintains a consistent output voltage within a specified range, even when the input voltage fluctuates or there are variations in the load.
- **Long Lifetime:** Used for a minimum of 30,000 hours.
- **High Energy Efficiency:** The average conversion efficiency reaches 86.2%.
- **Compact Form:** The compact size makes it incredibly small and portable.

Product Gallery



Specification

Item	Specification	Min	Typ
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a
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Input Characteristics	Input Voltage	Normal Input Voltage	100Vac	---	240Vac
		Input Voltage Range	90Vac	---	264Vac
	Input Frequency	Input Frequency Range	47Hz	50/60Hz	63Hz
	Input Current	All Voltage Range & Output at Full Load	---	---	0.8A
	Inrush Current	All Voltage Range & Cold Start at 25°C	---	30A	60A
Output Characteristics	Output Voltage	All Voltage Range at No Load	11.40Vdc	12Vdc	12.60Vdc
		All Voltage Range at Full Load	11.40Vdc	12Vdc	12.60Vdc
	Load Current	All Voltage Range at CC Mode	---	2A	-
	Ripple and Noise	Measurement is done by 20MHz bandwidth oscilloscope	---	---	150mV
	Hold-up Time	At Full Load & 115Vac/60Hz Input Turn Off at Worst Case	10ms	---	-
		At Full Load & 230Vac/50Hz Input Turn Off at Worst Case	20ms	---	-
	Turn-on Delay Time	At 100Vac to 240Vac Input & Full Load	---	---	3s
Energy Efficiency Characteristics	Standby Power	At 115Vac and 230Vac input voltage	---	---	0.1W
	Average Efficiency	Normal input & output at 25%, 50%, 75%, 100% load	86.20%	---	-

Environmental Characteristics	Operating Temperature	Environmental temperature around the product normal work	-10°C	---	40°C
	Storage Temperature	Storage temperature product doesn't work	-20°C	---	70°C
	Operating Humidity	Environmental humidity around the product normal work	10%	---	90%
	Storage Humidity	Storage humidity product doesn't work	5%	---	95%

Item	Specification	Acceptance criteria
Hi-pot test	Primary to Secondary: 4000Vdc / 5mAmax / 60 second (4400Vdc, 3second for production)	No fire, smoke and other safety accidents
Insulation resistance	Primary to secondary add 500Vdc test voltage	≥50MΩ
Temperature rise	25°C environment, rated voltage and load conditions, the temperature rise test shell surface	Skin temperature rise is less than 45°C
Burn-in	The power supply shall be burn-in for 2 Hours under normal input and 100% rated load at 40°C±5°C	The product does not appear abnormal
Lifetime	Reference standard MIL-HDBK-217F, full load at 25°C	30000 Hours min
ESD	Reference standard IEC61000-4-2 : Contact discharge: ±4KV, Air discharge: ±8KV	Class A or B
Surge test	Reference standard IEC61000-4-5 : common mode(L-PE/N-PE)±2KV, differential mode(L-N) ±1KV	Class A or B
Audible noise	Quiet environment 30cm distance to the human ear hearing noise	Can't hear the noise

Item	Specification	value
Safety, EMC & Environmental Directive Standard	RoHS	2011/65/EU (European Union)
	CE	EN 62368-1:2014/A11:2017, EN 55032:2015/A11:202x
Mechanical Characteristics	Dimension	69.3mm (L) x 41.45mm (W) x 26.7mm (H)
	Weight	110.5g ± 10g
	AC Plug	Lead-Free, Wall-Mount Type (European 2 Conductors)
	DC Output Plug	5.5mm x 2.1mm x 10±0.3mm
	DC Output Cable	Length = 1.5m, UL2725 22# (Certification Numbers: E315619/E341894/E336582/E318424)
Material Characteristics	Case Materials	PC UL94V-0

Applications

- Personal Electronic Device
- Home Appliances
- Office Equipment
- Industrial Equipment

Part List

Power Adapter 12V 2A - EU	X1
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Compliance & Logistics

HSCODE	8504401400
USHSCODE	8504406001
UPC	
EUHSCODE	8504400000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Power-Adapter-12V-2A-EU-p-5732.html>

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