CPS Series

5 W AC/DC Plug-in Switching Power Supply

CoolPower Solutions

- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- 2 pin Euro Input
- Single Regulated 5W Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Efficiency ErP Stage 2 and DoE Level VI
- Safety Agency Requirements and EMI/EMS Certified



Electrical specifications

Input	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Current	0,19 A max.
	Protection	Internal Primary Current Fuse
	Configuration	EU: 2 pin Euro Input. UK & US versions available.
Output	Output Power	5 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5,0% typical
	Ripple & Noise	≤ 2% Vp-p @ Full Load
	Transient Response	0,5 ms with 50% Load Change
	Start-up Time	< 3000 ms
	Hold-up Time	≥ 10 ms @ Full Load
	Rise Time	< 50 ms
	Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
Electrical	Topology	Switching Flyback
	Dielectric Withstand	3 000 VAC, Primary - Secondary
	Leakage Current	< 0,25 mA
	Efficiency	ErP Stage 2, DoE Level VI
	EMC Standards	EN55032
		EN61000-3-2,3
		EN55035
	MTBF	300 000 Calculated Hours at 25ºC by Telcordia SR-332
Environmental	Operating Temperature	-20°C…+40°C (+60°C with derating 50%)
	Storage Temperature	-20°C…+80°C
	Operating Altitude	2 000 m
	Relative Humidity	Operating: 20…80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	56 x 28 x 79 mm (EU)
	Weight	96 g (EU)
	Input configuration	EU: 2 pin Euro Input. UK & US versions available.
	DC cord	24AWG / 22AWG / 20AWG / 18AWG, 1,5m black, Ferrite core optional or 5V USB
Safety	Safety Approvals	EU: CB / CE / GS / LPS UK: CB / UKCA / LPS US: CB / UL / cUL / FCC / PSE / BSMI / LPS

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Description

The CPS-5W series of wall mount type AC/DC switching mode power supplies provide 5 Watts of continuous output power and is well-suited for a variety of applications. All supplies are available with fixed EU, UK and US input inlet. Other DC plugs also available.

Models

CPS-03315EU/3630+	3,3 VDC	1,50 A	4,95 W	2.1/5.5 mm +center
CPS-05010EU/3630+	5,0 VDC	1,00 A	5,00 W	2.1/5.5 mm +center
CPS-05015EU/3630+	5,0 VDC	1,50 A	7,50 W	2.1/5.5 mm +center
CPS-05912EU/3630+	5,9 VDC	1,20 A	7,08 W	2.1/5.5 mm +center
CPS-07510EU/3630+	7,5 VDC	1,00 A	7,50 W	2.1/5.5 mm +center
CPS-09006EU/3630+	9,0 VDC	0.67 A	6,03 W	2.1/5.5 mm +center
CPS-12006EU/3630+	12 VDC	0.60 A	7,20 W	2.1/5.5 mm +center
CPS-15005EU/3630+	15 VDC	0,50 A	7,50 W	2.1/5.5 mm +center
CPS-18003EU/3630+	18 VDC	0,33 A	5,94 W	2.1/5.5 mm +center
CPS-24002EU/3630+	24 VDC	0,25 A	6,00 W	2.1/5.5 mm +center

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