

- IEC/EN/UL 62368-1
- 100-240VAC Universal Input
- 2 pin Euro Input
- Single Regulated 12W Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Efficiency ErP Stage 2, DoE Level VI and CoC Tier 2
- Safety Agency Requirements and EMI/EMS Certified



### Electrical specifications

Input	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Current	0,31 A max.
	Protection	Internal Primary Current Fuse
	Configuration	EU: 2 pin Euro Input. UK & US versions available.
Output	Output Power	12 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	< 3 000 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, CoC Tier 2
	EMC Standards	EN55032
		EN61000-3-2,3
EN55035		
MTBF	300 000 Calculated Hours at 25°C by Telcordia SR-332	
Environmental	Operating Temperature	-20°C...+40°C (+60°C with derating 70%)
	Storage Temperature	-20°C...+80°C
	Operating Altitude	2000 m
	Relative Humidity	Operating: 20...80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	72 x 34 x 80 mm (EU)
	Weight	126 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

# CPS Series

## 12 W AC/DC Plug-in Switching Power Supply

CoolPower  
Solutions

### Description

The CPS-12W series of wall mount type AC/DC switching mode power supplies provide 12 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-03320EU/3630+	3,3 VDC	2,00 A	6,60 W	2.1/5.5 mm +center
CPS-05020EU/3630+	5,0 VDC	2,00 A	10,0 W	2.1/5.5 mm +center
CPS-05025EU/3630+	5,0 VDC	2,50 A	12,5 W	2.1/5.5 mm +center
CPS-05920EU/3630+	5,9 VDC	2,00 A	11,8 W	2.1/5.5 mm +center
CPS-08413EU/3630+	8,4 VDC	1,30 A	10,9 W	2.1/5.5 mm +center
CPS-09012EU/3630+	9,0 VDC	1,20 A	10,8 W	2.1/5.5 mm +center
CPS-12010EU/3630+	12,0 VDC	1,00 A	12,0 W	2.1/5.5 mm +center
CPS-13509EU/3630+	13,5 VDC	0,89 A	12,0 W	2.1/5.5 mm +center
CPS-15008EU/3630+	15 VDC	0,80 A	12,0 W	2.1/5.5 mm +center
CPS-18006EU/3630+	18 VDC	0,67 A	12,0 W	2.1/5.5 mm +center
CPS-24005EU/3630+	24 VDC	0,50 A	12,0 W	2.1/5.5 mm +center

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