

- Universal Input Range 100-240VAC
- 2 pin Euro Input
- Single Output to 18 W
- Regulated Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- CEC, DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2
- Meets Safety Agency Requirements and Complies EMI/EMS



Electrical specifications

Input	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Current (Full load)	480 mA max.
	Protection	Internal Primary Current Fuse
Output	Output Power	18 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5.0% typical
	Ripple	2% Vp-p Max. for Output Voltage @ Full Load
	Transient Response	0.5ms for 50% Load Change Typical
	Hold-up Time	10 ms at Full Load
	Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
Electrical	Topology	Switching Flyback
	Dielectric Withstand	3000 VAC Primary - Secondary
	Leakage Current	250 mA
	Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
	No-load power consumption	< 0.075 W
	EMI	Compliance to IEC55032 Class B (Conduction & Radiation)
	Harmonic Current	Compliance to EN61000-3-2, 3
	EMS Immunity	Compliance to IEC61000-4-2,3,4,5,6,8,11
	MTBF	300 000 h @ 25°C (by Telcordia SR-332)
Environmental	Operating Temperature	0°C...+40°C
	Storage Temperature	-20°C...+80°C
	Relative Humidity	Operating: 20...80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	72 x 34 x 69 mm
	Weight	154 g
	Input configuration	2 pin Euro Input
	DC cord	22AWG / 20AWG / 18AWG, Without Ferrite core (optional)
Safety	Safety Approvals	For Europe & UK - CB / CE / GS / LPS

CPS Series

18 W AC/DC Plug-in Switching Power Supply – DoE Level VI

CoolPower
Solutions

Description

The CPS series of AC/DC switching mode power supplies provide 18 Watts of continuous output power and is well-suited for a variety of applications. All supplies include Euro plug-in. Other output voltages, DC plugs and input connectors available.

Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-05030EU/3630+	5,0 VDC	3,0 A	15,0 W	2.1/5.5 mm +center
CPS-12016EU/3630+	12 VDC	1.6 A	19,2 W	2.1/5.5 mm +center
CPS-24008EU/3630+	24 VDC	0.8 A	19,2 W	2.1/5.5 mm +center

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