



- Universal Input Range 90-264VAC
- Single Output to 36 W
- Regulated Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Safety Agency Requirements and EMI/EMS Certified
- CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN and GEMS Level VI certified

Electrical specifications

Input	Voltage	90-264 VAC
	Frequency	50-60 Hz
	Current	1 A max.
	Inrush Current	Limiting
	Leakage Current	0.25 mA
Output	Output Power	36 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5.0% typical
	Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI Certified
	Ripple	1~2% V _{p-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	No-load power consumption	< 0.1 W
	Over Current Protection	Yes
	Over Voltage Protection	Yes
Dielectric Withstand	Short Circuit Protection	Yes
	Pri-Sec	3000 VAC
Environment	Operating Temperature	0°C...+40°C
	Storage Temperature	-20°C...+80°C
	Humidity	Operating: 20...80% RH (No-condensing)
	MTBF	300 000 h @ 25°C (Telcordia SR-332)
Physical	Dimension (L x W x H)	79 x 34 x 94 mm (EU case)
	Weight	160 g
	Cooling Method	Natural Convection Cooling
	DC cord	22AWG / 20AWG / 18AWG / 16AWG, Without Ferrite core (optional)
	AC Plugs available	EU / UK / US+JP / AU / CN / Exchangeable
Safety & EMC	EMI requirements	Compliance to EN55022 Class B (Conduction & Radiation)
	Harmonic Current	Compliance to EN61000-3-2,3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11
	Safety Approvals	EU: CB / CE / LPS UK: CB / CE / LPS US: CB / UL / cUL / FCC / PSE / BSMI / LPS AU: CB / RCM / LPS

CPS Series

36 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 36 Watts of continuous output power and is well-suited for a variety of applications. Output voltages from 5V to 48V available. AC Prong Changeable. With safety certificate and meet CEC , DoE Level VI , Energy Star , ErP Stage 2, NRCan & GEMS Level VI regulations and RoHS compliance. Available models: EU, UK, US/JP, AU, CN and with exchangeable AC plug.

Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-12030EU/3630+	12 VDC	3,0 A	36 W	2.1/5.5 mm +center
CPS-24015EU/3630+	24 VDC	1,5 A	36 W	2.1/5.5 mm +center

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