

- Universal Input Range 90-264VAC
- IEC-320-C6 Input Inlet
- Single Output to 90 W
- Regulated Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Meet CEC, Energy Star & ERP Regulations
- Meets Safety Agency Requirements and Complies EMI/EMS



### Electrical specifications

Input	Voltage	90-264 VAC
	Frequency	50-60 Hz
	Current (Full load)	1200 mA max.
	Inrush Current	Limiting
	Leakage Current	3.5mA at 3-pin
Output	Output Power	90 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5.0%
	Efficiency	Meet Energy Star Level V & ERP Stage 2
	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	< 0.5 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
	Temperature Coefficient	±0.04%/°C
	Humidity	Operating: 20...80% RH (No-condensing)
	MTBF	50 000 h @ 25°C (MILHDBK-217F)
Physical	Dimension (L x W x H)	139 x 61 x 36 mm
	Weight	415 g
	Cooling Method	Natural air convection
	DC cord	18AWG / 16AWG / 14AWG, Ferrite core
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	CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

# CPS Series

90 W AC/DC Switching Power Supply for I.T.E. - Ecodesign

CoolPower  
Solutions

## Description

The CPS series of AC/DC switching mode power supplies provide 90 Watts of continuous output power and is well-suited for a variety of applications. All supplies include IEC-320-C6 input for worldwide applications. Other output voltages and DC plugs available.

## Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-12070C6/3630+	12 VDC	7.00 A	84 W	2.1/5.5 mm +center
CPS-12070C6/3617+	12 VDC	7.00 A	84 W	2.5/5.5 mm +center
CPS-24037C6/3630+	24 VDC	3.75 A	90 W	2.1/5.5 mm +center
CPS-24037C6/3617+	24 VDC	3.75 A	90 W	2.5/5.5 mm +center

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