

- Universal Input Range 90-264VAC
- IEC-320-C14 Input Inlet
- Single Output to 120 W
- Regulated Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Over Temperature Protection
- Meet CEC, Energy Star V & ERP 2 Regulations
- Meets Safety Agency Requirements and EMI/EMS certified



Electrical specifications

Input	Voltage	90-264 VAC
	Frequency	50-60 Hz
	Current (Full load)	1,6 A max.
	Protection	Internal Primary Current Fuse, Inrush Limiting
	Leakage Current	3.5mA at 3-pin
Output	Output Power	120 W
	Voltage (VDC)	12 to 48 VDC (See table below)
	Current (A) max.	See table below
	Load regulation	± 5.0% typical
	Efficiency	Meet CEC, Energy Star Level V and 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
	No-load power consumption	< 0.5 W
Protection	Over Current Protection	Yes
	Over Voltage Protection	Yes
	Short Circuit Protection	Yes
	Over Temperature Protection	Yes
Dielectric Withstand	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)	168 x 66 x 39 mm
	Weight	590 g
	Cooling Method	Natural air convection
	Input Connector	3-pin IEC60320-C14
	Output Connector	4-pin Power DIN
	DC cord	1,5m 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 / CCC / RCM / KC

Description

The CPS series of AC/DC switching mode power supplies provide 120 Watts of continuous output power and is well-suited for a variety of applications. All supplies include IEC-320-C14 input for worldwide applications. IEC320-C6 input inlet available. With safety certificate and meet CEC, Energy Star Level V and ERP Stage 2 regulations and RoHS compliance.

Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-12090C14*	12 VDC	9,0 A	108 W	4-pin Power DIN
CPS-15080C14	15 VDC	8,0 A	120 W	4-pin Power DIN
CPS-16075C14	16 VDC	7,5 A	120 W	4-pin Power DIN
CPS-18066C14	18 VDC	6,6 A	120 W	4-pin Power DIN
CPS-19063C14	19 VDC	6,3 A	120 W	4-pin Power DIN
CPS-20060C14	20 VDC	6,0 A	120 W	4-pin Power DIN
CPS-24050C14*	24 VDC	5,0 A	120 W	4-pin Power DIN
CPS-30040C14	30 VDC	4,0 A	120 W	4-pin Power DIN
CPS-48025C14	48 VDC	2,5 A	120 W	4-pin Power DIN