

- Universal Input Range 90-264VAC
- IEC-320-C8 Input Inlet
- Single Output to 65 W
- Regulated Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- DoE Level VI, Energy Star, ErP Stage 2
- Safety Agency Requirements and Complies EMI/EMS



Electrical specifications

Input	Voltage	90-264 VAC
	Frequency	50-60 Hz
	Current (Full load)	1400 mA max.
	Protection	Internal Primary Current Fuse
Output	Output Power	65 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5.0% typical
	Ripple	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	Short Circuit Protection / Over Voltage Protection / Over Current Protection
Electrical	Topology	Switching Flyback
	Dielectric Withstand	3000 VAC Primary - Secondary
	Leakage Current	3.5mA at 3-pin
	Efficiency	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCan & GEMS Level VI Certified
	No-load power consumption	< 0.15 W
	EMI	Compliance to EN55032 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
Environmental	MTBF	300 000 h @ 25°C (by Telcordia SR-332)
	Operating Temperature	0°C...+40°C
	Storage Temperature	-20°C...+80°C
	Relative Humidity	Operating: 20...80% RH (No-condensing)
Mechanical	Cooling	Natural Convection Cooling
	Dimension (L x W x H)	115 x 53 x 38 mm
	Weight	310 g
	Input configuration	IEC60320/C8 (C6, C14, C18 versions available)
Safety	DC cord	20AWG / 18AWG / 16AWG, Ferrite core
	Safety Approvals	CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS

CPS Series

65 W AC/DC Switching Power Supply for I.T.E. – DoE level VI

CoolPower
Solutions

Description

The CPS-65W series of AC/DC switching mode power supplies provide 65 Watts of continuous output power and is well-suited for a variety of applications. All supplies include IEC-320-C8 input for worldwide applications. Other output voltages, DC plugs and input connectors available.

Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-12050C8/3630+	12 VDC	5.0 A	60 W	2.1/5.5 mm +center
CPS-12050C8/3617+	12 VDC	5.0 A	60 W	2.5/5.5 mm +center
CPS-24027C8/3630+	24 VDC	2.7 A	65 W	2.1/5.5 mm +center
CPS-24027C8/3617+	24 VDC	2.7 A	65 W	2.5/5.5 mm +center

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