CPS Series

65 W AC/DC Switching Power Supply for I.T.E.

CoolPower Solutions



- IEC/EN/UL 62368-1 3rd Edition
- 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
- Efficiency ErP Stage 2, DoE Level VI
- Safety Agency Requirements and Complies EMI/EMS

Electrical specifications

Input	Voltage	100-240 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 & Noise	2% V p-p Max. for Output Voltage @ Full Load
	Transient Response	0.5ms with 50% Load Change
	Start-up Time	< 3000 ms
	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	< 0.25mA @ 2Pin / < 5mA @ 3Pin
	Efficiency	ErP Stage 2, DoE Level VI
	EMC	EN55032
		EN61000-3-2,3
		EN55035
	MTBF	300 000 h @ 25°C (by Telcordia SR-332)
Environmental	Operating Temperature	-20°C…+40°C (+60°C with derating 50%)
	Storage Temperature	-20°C…+80°C
	Operating Altitude	2000 m
	Relative Humidity	Operating: 20…80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	115 x 48,5 x 32,1 mm
	Weight	220 g
	Input configuration	IEC60320/C8 (C6, C14 versions available)
	DC cord	20AWG / 18AWG / 16AWG, Ferrite core
Safety	Safety Approvals	CB / UL / cUL / FCC / GS / CE / UKCA / CCC / PSE / BSMI / LPS

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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
CPS-12050C14/ST	12 VDC	5,0 A	60 W	Open Ends
CPS-24027C14/ST	24 VDC	2.7 A	65 W	Open Ends
CPS-48013C14/3630+	48 VDC	1,3 A	65 W	2.1/5.5 mm +center

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