CPS Series

36 W AC/DC Plug-in Switching Power Supply

CoolPower Solutions

- IEC/EN/UL 62368-1 3rd Edition
- Universal Input Range 100-240VAC
- 2 pin Euro Input
- Single Regulated 36W Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Efficiency ErP Stage 2, DoE Level VI and CoC Tier 2
- Safety Agency Requirements and EMI/EMS Certified



Electrical specifications

Input	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Current (Full load)	1000 mA max.
	Protection	Internal Primary Current Fuse
	Configuration	EU: 2 pin Euro Input. UK, US, AU & CN versions available.
Output	Output Power	36 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5.0% typical
	Ripple & Noise	≤ 2% Vp-p @ Full Load
	Transient Response	0,5 ms with 50% Load Change
	Start-up Time	< 3 000 ms
	Hold-up Time	≥ 10 ms @ Full Load
	Rise Time	< 50 ms
	Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
Electrical	Topology	Switching Flyback
	Dielectric Withstand	3 000 VAC Primary - Secondary
	Leakage Current	< 0,25 mA
	Efficiency	ErP Stage 2, DoE Level VI, CoC Tier 2
	EMC Standards	EN55032
		EN61000-3-2,3
		EN55035
	MTBF	300 000 h Calculated Hours at 25°C by Telcordia SR-332
Environment	Operating Temperature	-20°C…+40°C (+60°C with derating 50%)
	Storage Temperature	-20°C…+80°C
	Operating Altitude	2 000 m
	Relative Humidity	Operating: 20…80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	72 x 34 x 94 mm (EU)
	Weight	160 g
	DC cord	22AWG / 20AWG / 18AWG / 16AWG, Without Ferrite core (optonal)
Safety	Safety Approvals	EU: CB / CE / GS / LPS UK: CB / UKCA / LPS US: CB / UL / cUL / FCC / PSE / BSMI / LPS AU: CB / RCM / LPS CN: CB / CCC / LPS

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Description

The CPS-36W series of AC/DC switching mode power supplies provide 36 Watts of continuous output power and is well-suited for a variety of applications. All supplies include Euro plug-in. Other output voltages, DC plugs and input connectors available.

Models

Model no	Output voltage	Max output current	Max output power	DC Plug
CPS-05050EU/3630+	5,0 VDC	5,00 A	25,0 W	2.1/5.5 mm +center
CPS-07540EU/3630+	7,5 VDC	4,00 A	30,0 W	2.1/5.5 mm +center
CPS-08532EU/3630+	8,5 VDC	3,52 A	30,0 W	2.1/5.5 mm +center
CPS-09033EU/3630+	9,0 VDC	3,34 A	30,0 W	2.1/5.5 mm +center
CPS-12030EU/3630+	12,0 VDC	3,00 A	24,0 W	2.1/5.5 mm +center
CPS-13526EU/3630+	13,5 VDC	2,66 A	36,0 W	2.1/5.5 mm +center
CPS-15024EU/3630+	15,0 VDC	2,40 A	36,0 W	2.1/5.5 mm +center
CPS-16022EU/3630+	16,0 VDC	2,25 A	36,0 W	2.1/5.5 mm +center
CPS-18020EU/3630+	18,0 VDC	2,00 A	36,0 W	2.1/5.5 mm +center
CPS-24015EU/3630+	24,0 VDC	1,50 A	36,0 W	2.1/5.5 mm +center
CPS-48007EU/3630+	48,0 VDC	0,75 A	36,0 W	2.1/5.5 mm +center

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