CPS Series

18 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 18W 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)	480 mA max.
	Protection	Internal Primary Current Fuse
	Configuration	EU: 2 pin Euro Input. UK, US, AU & CN versions available.
Output	Output Power	18 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 90 mm (EU)
	Weight	154 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-18W series of AC/DC switching mode power supplies provide 18 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-05030EU/3630+	5,0 VDC	3,0 A	15,00 W	2.1/5.5 mm +center
CPS-05925EU/3630+	5,9 VDC	2,5 A	14,75 W	2.1/5.5 mm +center
CPS-05930EU/3630+	5,9 VDC	3,0 A	17,70 W	2.1/5.5 mm +center
CPS-07025EU/3630+	7,0 VDC	2,5 A	17,50 W	2.1/5.5 mm +center
CPS-07525EU/3630+	7,5 VDC	2,5 A	18,75 W	2.1/5.5 mm +center
CPS-09022EU/3630+	9,0 VDC	2,2 A	19,80 W	2.1/5.5 mm +center
CPS-10019EU/3630+	10 VDC	1,9 A	19,00 W	2.1/5.5 mm +center
CPS-11016EU/3630+	11 VDC	1,6 A	17,60 W	2.1/5.5 mm +center
CPS-12016EU/3630+	12 VDC	1.6 A	19,20 W	2.1/5.5 mm +center
CPS-15013EU/3630+	15 VDC	1,3 A	19,50 W	2.1/5.5 mm +center
CPS-16012EU/3630+	16 VDC	1,2 A	19,20 W	2.1/5.5 mm +center
CPS-18011EU/3630+	18 VDC	1,1 A	19,80 W	2.1/5.5 mm +center
CPS-24008EU/3630+	24 VDC	0,8 A	19,20 W	2.1/5.5 mm +center

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