CPS Series

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

CoolPower Solutions

- IEC/EN/UL 62368-1 3rd Edition
- Universal Input Range 100-240 VAC
- IEC-320-C14 Input Inlet
- Regulated 200 W Output with Low Ripple Noise
- Over Voltage, Over Current and Short Circuit Protection
- Over Temperature Protection
- Efficiency ErP Stage 2, DoE Level VI
- Safety Agency Requirements and EMI/EMS Certified



Electrical specifications

Input	Voltage	100-240 VAC
	Frequency	50-60 Hz
	Current (Full load)	2400 mA max.
	Protection	Internal Primary Current Fuse
	Configuration	IEC60320 C14, (C6 available)
Output	Output Power	200 W
	Voltage (VDC)	See table below
	Current (A) max.	See table below
	Load regulation	± 5,0% typical
	Ripple & Noise	≤ 1% Vp-p @ Full Load
	Transient Response	0,5 ms with 50% Load Change
	Start-up Time	< 3000 ms
	Hold-up Time	≥ 10mS @ Full Load
	Rise Time	< 50 ms
	Protection	Short Circuit / Over Voltage / Over Current / Over Temperature Protections
Electrical	Topology	LLC
	Dielectric Withstand	3000 VAC Primary - Secondary
	Earth Leakage Current	< 5 mA
	Efficiency	ErP Stage 2, DoE Level VI
	EMC Standards	EN55032 EN61000-3-2,3 EN55035
	MTBF	300,000 Calculated Hours at 25ºC by Telcordia SR-332
Environment	Operating Temperature	-20°C…+40°C (+60°C derating 60%)
	Storage Temperature	-20°C…+80°C
	Operating Altitude	5000 m
	Humidity	Operating: 20…80% RH (No-condensing)
	Cooling	Natural Convection Cooling
Mechanical	Dimension (L x W x H)	175,2 x 74 x 42 mm
	Weight	738 g
	DC cord	20AWG / 18AWG / 16AWG, Ferrite core
Safety	Safety Approvals	CB / UL / cUL / FCC / GS / CE / UKCA / PSE / BSMI

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Description

The CPS-200W series of AC/DC switching mode power supplies provide 200 Watts of continuous output power and is well-suited for a variety of applications. All supplies include IEC-320-C14 input for worldwide applications. Other output voltages and DC plugs available. S-versions are equipped with switch.

Models

Model no	Output voltage	Max output current	Max output power	Output connection
CPS-12160C14/4DIN	12 VDC	16,00 A	192 W	4-pin PowerDIN
CPS-19105C14/4-DIN	19 VDC	10,50 A	200 W	4-pin PowerDIN
CPS-24083C14	24 VDC	8,30 A	200 W	4-pin PowerDIN
CPS-24083C14/4-DIN	24 VDC	8,30 A	200 W	4-pin PowerDIN
CPS-24083C14/S	24 VDC	8,30 A	200 W	4-pin PowerDIN
CPS-48042C14/ST	48 VDC	4,20 A	200 W	Open Ends
CPS-48033C14/4-DIN	48 VDC	4,20 A	200 W	4-pin PowerDIN
CPS-56036C14/4-DIN	56 VDC	3,58 A	200 W	4-pin PowerDIN

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