



## CPS-i3000 Laboratory Power Supply Embedded & Wallmount, 12W/CUI, PFC0.99

- 3D-HD (3D Heat Dissipation) performs 360° mount in the 3-dimensional room
- 0-max. C/V Programmable & Real Value monitoring
- N+1 Parallel Operation
- Master - Slave
- Current Share Bus
- Constant Current / Constant Voltage
- Fuse Mode & Continuous Mode
- Sensing
- Remote Shutdown
- Inhibit (Interlock)
- Temperature Alarm & Monitor, Fan Fail
- Aux +12V 500mA
- Option Quick Downprogramming Powersink
- Option Internal O-Ring Diode
- 9KW in a 2U & up to 15KE in a 3U subframe, >100KW per system

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## CPS-i3000

Model	CPS-i3000					
Continuous Power	3000W					
Nominal Input Voltage	230Vac					
Input Voltage Range AC	184..265Vac					
Input Voltage Range DC	250... 375Vdc					
Input Frequency	47... 63Hz					
Hold-up Time	30ms					
Inrush Current AC	14,6A RMS / 20,7A peak active electronic protection $\pm 6\%$					
Startautomatic	Softstart 100ms					
Programmable Output Voltage	0-18V	0-30V	0-60V	0-90V	0-150V	0-300V
Programmable Output Current	0-185A	0-125A	0-62,5A	0-41,5A	0-25A	0-12,5A
Ripply & Boise mVpp	35mV	35mV	100mV	150mV	200mV	300mV
Stability Loadswitch	$\pm 0,2\%$ 0-100%					
Response	< 1ms 10-100%					
Effeciency	92-94%					
Power Faktor	PFC 0,99					
Load Free Operation	Continuous					
Short Cicuit Protection	Continuous					
Ambient Operations	-20°C... +60°C					
Cooling	Stepless controlled fans from EBM-Papst flow front-to-rear, Fan Fail Monitor					
Temperature Control	Power reduction & Monitor					
Dimensions (WxHxD)	126,4x84x444mm, 2U or 3U Embedded or hard mount in 90° steps					
IP Housing	IP20					
Safety Norms	CSA UL CE according to IEC60950-1					
Safety IEC	EN60950-1 EN50178 EN60204-1					
Safety Class 1(A)	VDE0100 VDE0805					
Input- /Output Isolation	3000Vac					
Climatic Calss, Humidity	3k3, 90% non-condensing					
EMI	EN55022B					
EMS	EN61000-6-2,3					
MTBF IEC61709	500000h					
Interface Voltage Programming	0... 5Vdc, 0... 10Vdc, 0-20mA, 4-20mA					
Interface Current Programming	0... 5Vdc, 0... 10Vdc, 0-20mA, 4-20mA					
Interface Voltage Monitoring	0... 5Vdc, 0... 10Vdc					
Interface Current Monitoring	0... 5Vdc, 0... 10Vdc					
Inhibit (Interlock)	Message					
O-Ring Current Share	Option					
Power Good Relais	Open/Center/Close					
Sense	2V load line					
Remote Shutdown	Monitor					
Reference Voltage	+12V 500mA					
Options	Protective coating, Internal Powersink					
Accessory	2U & 3U Frontpanel, 2U & 3U Subframe, Hard-Mount-Kit, RS485, TCP/IP					