



CPS-EX3000 Embedded & Wallmount, programmable, PFC0.99

- C/V programming with interface
- C/V programming with internal pots
- OCP & OVP message
- Current Share Bus for N+1 parallel operation
- Master Slave Operation
- Sense Mode
- AUX +12V 500mA
- Current Monitoring
- Voltage Monitoring
- Remote Shutdown
- Inhibit (Interlock)
- DC & AC Power Good Relay open/center/close
- Fan Monitoring
- Temperature warning & alarm
- 9kW in a 2U & 15kW in a 3U subframe, >100kW scalable power system
- Hard mount in 90° steps

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CPS-EX3000

Model	CPS-EX3000						
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	20ms						
Inrush Current AC	14,6A RMS / 20,7A peak active electronic protection $\pm 6\%$						
Startautomatic	Softstart 100ms						
Vout	12V	24V	36V	48V	72V	110V	220V
Vout prog. range or poti	2-15V	24.-30V	30-45V	45-58V	58-90V	90-150V	200-300V
Iout prog. range or poti	100-200A	62,5-125A	41,5-83A	31,2-62,4A	20,8-41,6A	13,6-27,2A	6,8-13,6A
Ripply & Boise mVpp	35mV	35mV	50mV	75mV	150mV	300mV	600mV
Stability Loadswitch	$\pm 0,05\%$ 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 Monitoring						
Temperature Control	Power reduction, Monitoring						
Dimensions	84x126,4x444mm, 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 / or Internal Poti						
Interface Current Programming	0-5Vdc / 0-10Vdc / 0-20mA / 4-20mA / or Internal Poti						
Interface Voltage Monitoring	0-5Vdc / 0-10Vdc						
Interface Current Monitoring	0-5Vdc / 0-10Vdc						
Sense Mode	2V per load line						
Remote Shutdwon	Monitor						
Inhibit (Interlock)	Monitor						
Options	Protective coating						
Accessory	2U & 3U Frontpanel, 2U & 3U Subframe, Hard-Mount-Kit						