



CPS-EC1000 DIN-Rail Battery Charger & Industrial Precision Power

- C/V precisely adjustable
- Current Monitor I_{mon}
- Perfect C/V chart with no Foldback
- Power Good Relay AC & DC
- Remote Shutdown
- Inhibit (Interlock) Function
- Sense

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CPS-EC1000

Model	CPS-EC1000								
Power	1008W								
Nominal AC Input	115/230Vac								
Input Range AC	90..115Vac/186..265Vac								
Input Range DC	250... 375Vdc								
Input Frequency	47... 63Hz								
Hold-Up Time	30ms								
Inrush Current	Electronic Inrush Current Limiter 9,8Arms								
Autostart	Soft start 100ms								
Output Voltage	24V	36V	48V	60V	72V	110V	150V	220V	300V
Output Current	42A	28A	21A	16,7A	13,9A	9,1A	6,7A	4,55A	3,33A
DC Voltage Setting	24-30V	36-45V	48-58V	60-75V	72-90V	110-137,5V	132-180V	220-264V	264-360V
DC Current Setting	21-44,1A	14-29,4A	10,5-22A	8-17,6A	7-14,6A	4,6-9,6A	3,4-7A	3,3-4,8A	1,7-3,5A
Ripple & Noise PP	40mV	40mV	100mV	150mV	200mV	300mV	400mV	400mV	400mV
Load Regulation	±0,05% 0-100%								
Load Change	Response								
Efficiency	up to 92%								
Base load	non, continuous open circuit proof								
Short Circuit	Continuous Protection								
Ambient	-20°C... +70°C Operation Temperature								
Cooling	controlled fan from EBM Papst (Germany)								
Temp. Control	Yes								
Dimensions	(WxHxD) 200x156x114,5mm IP20								
Safety Norms	CSA UL CE in accordance to IEC60950-1								
Safety IEC	EN60950-1 EN50178 EN60204-1, UL classified in accordance to EN60950								
Safety Class 1(A)	VDE0100 VDE0805								
Isolation	3000Vac Input/Output								
Climatic Class	3k3, Humidity 95% non condensing								
EMI/EMS	EN55022B / EN61000-6-2,3								
EMS	EN61000-6-2,3								
MTBF / MTTF	389000h / 143036h (IEC61709)								
Power Good Relay	AC & DC low voltage detection, isolated								
Features	Current-Monitoring, External Shutdown, Inhibit (Interlock), Sense Compensation								
Options	Protective Coating, Baseplate cooler for hardmount								