



CPS-EC480 DIN-Rail Battery Charger & Industrial Precision Power

- C/V precisely adjustable
- Current Monitor Imon
- Perfect C/V chart with no Foldback
- Power Good Relay AC & DC
- Remote Shutdown
- Inhibit (Interlock) Function
- Sense
- Natural Cooling

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Model	CPS-EC480									
Power	480W									
Nominal AC Input	115/230Vac									
Input Range AC	90..115Vac/186..265Vac									
Input Range DC	250... 375Vdc									
Input Frequency	47... 63Hz									
Hold-Up Time	50ms									
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	20A	13,3A	10A	8A	6,7A	4,4A	3,2A	2,2A	1,6A	
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	10-21A	6,6-14A	5-10,5A	4-8,4A	3,4-7A	2,2-4,6A	1,6-3,3A	1,1-2,3A	0,8-1,7A	
Ripple & Noise mVpp	40mV	40mV	100mV	150mV	200mV	300mV	400mV	400mV	400mV	
Load Regulation	±0,05% 0-100%									
Load Change	Response < 1ms 10-100% 100-10%									
Efficiency	up to 92%									
Base load	non, continuous open circuit proof									
Short Circuit Protection	Continuous									
Ambient Temperature	-20°C... +70°C Operation									
Cooling	natural cooling									
Temperature Control	Yes									
Dimensions	(WxHxD) 200x130x114,5mm 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									
Input/Output Isolation	3000Vac									
Climatic Class, Humidity	3k3, 95% non condensing									
EMI/EMS	EN55022B / EN61000-6-2,3									
EMS	EN61000-6-2,3									
MTBF / MTTF IEC61709	400000h / 148312h									
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									