



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

CPS-EC480

| | | | | | | | | | | |
|--------------------------|--|---------|---------|--------|--------|------------|----------|----------|----------|--|
| 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 IEC | EN60950-1 EN50178 EN60204-1 | | | | | | | | | |
| 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 | see data sheet | | | | | | | | | |