



## CP-SNT 1000W Power Supply

# NEW



The CP-SNT 1000W can deliver 24Vdc @ 40A and is powered from 3 phase 360-480V. It is ideally suited for applications where large numbers of DC powered devices such as contactors, valves, fans as well as PLCs and interface devices are used. A high output surge capability means that highly inductive loads can be powered from this supply.

An internal cooling fan allows this power supply to be mounted on horizontal or vertical 35mm DIN rail. Like the CP-SNT 300W power supply it also offers analog outputs representing output voltage and current and internal temperature. For redundancy it is possible to operate multiple power supplies in parallel. It is also possible to operate 2 units in parallel for increased power.

### Features:

- 360-480Vac, 3 phase input for global operation
- 40A continuous output and 80A for 1 second surge capability
- analog outputs
- parallel operation capability
- 1 form C (SPDT) fault relay
- chassis mountable (hardware included)

**Catalog number: 791896 0324**

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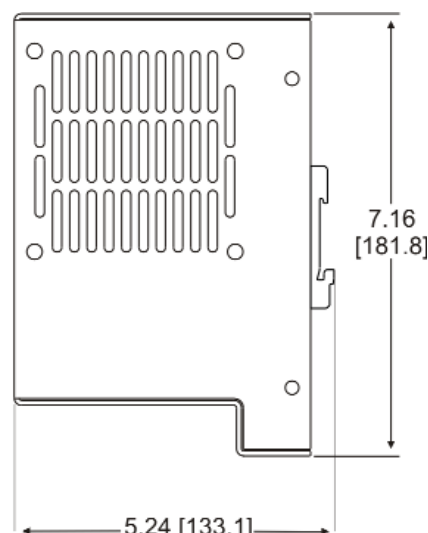
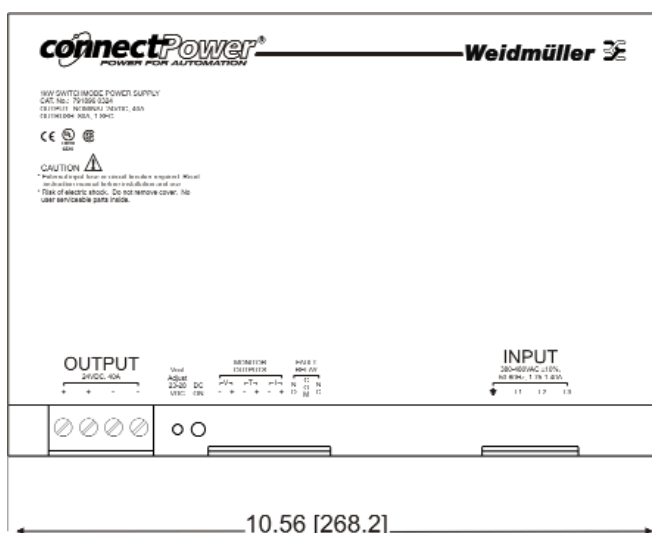
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# CP-SNT 1000W Power Supply

<b>Input Voltage</b>	Minimum Typical Maximum	342Vac 480Vac +/- 10%, 50-60Hz, 3 phase 528Vac
<b>Input Current</b>	At Minimum Vin At Typical Vin At Maximum Vin	1.9Arms 1.4Arms 1.3Arms
<b>Input Protection</b>	External Input Breaker External Input Fuse Inrush Current Overvoltage Surge Immunity L-L L-G	6A, 3 pole 480Vac 6A, 480Vac Slow Blow 40A Maximum Varistor 2KV 4KV
<b>Switching Frequency</b>		65kHz
<b>Output</b>	Voltage Nominal Voltage Adj. Range Current nominal Maximum Start-up Current Current Surge Current Surge Time Surge Cycle Time Max. Load Capacitance	24Vdc 23-28Vdc 40A 70A 80A 1 second 60 seconds 10,000µF
<b>Efficiency @ Max. Load</b>		90%
<b>Output Ripple</b>		<20mVrms
<b>Regulation</b>	Load (10 - 100% load) Line	5% 1%
<b>Protection</b>	Short Circuit Over Voltage Under Voltage Over Temperature Over Current	Auto restart Vout > 30.5Vdc Vout < 20Vdc Vout heatsink temp. > 100 °C 43A typical @ 24V for >1 second
<b>Hold Time</b>	Minimum Vin Typical Vin Maximum Vin	14ms 20ms 28ms

<b>Temperature Range</b>	Storage Operating	-40°C to +85°C -10°C to +50°C (Full Power)
<b>Humidity</b>	Storage Operating	5 to 95% 20 to 85% non-condensing
<b>Galvanic Isolation</b>	Input to Output Input to Ground Output to Ground	3kVac 1.5kVac 500Vac
<b>Wire Size</b>	Input Output I/O	22-12AWG (0.08 - 2.5mm <sup>2</sup> ) 22-6AWG (0.5 - 16mm <sup>2</sup> ) 22-12AWG (0.08 - 2.5mm <sup>2</sup> )
<b>Dimensions (mm)</b>	Length x Width x Depth	7.2 x 10.6 x 5.3" (182 x 268 x 133mm)
<b>Weight (kg)</b>		8.35lbs (3.8kg)
<b>Mounting</b>	Recommended Clearance	TS35 Rail or Chassis (hardware incl.) Leave 4" (10cm) free space on venting sides
<b>Special Features</b>	Cooling Load Sharing Redundancy Fault Relay Vout Tout Iout	Fan cooled Maximum 2 units (see Note) No maximum Form C contacts (1A @ 30Vdc or 30Vac) 0-10Vdc = 0-30Vdc 0-10V = 0-100°C (internal temp.) 0-10V = 0-50A
<b>Approvals/Certifications</b>		CSA 22.2 #950-95, UL 508 Listed, CE marked
<b>Miscellaneous</b>	Indicator Power Factor	Green LED (DC on) .9 typical @ 380Vac .87 typical @ 480Vac



**Note:** The output voltages of each power supply should be adjusted to within 100mV. Use similar sizes and length of cables to connect the output of each power supply to the load.