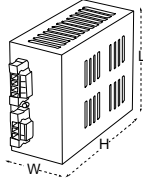


# Switchmode power supplies



CP-SNT 1000W



**Approvals:**



Ordering data		Type	Part No.
		CP-SNT 1000W	7918960324
Technical data			
Input voltage	Minimum	342Vac	
	Typical	480Vac ± 10% 50/60Hz, 3 phase	
	Maximum	528Vac	
Input current		at $V_{min} = 1.9A_{rms}$	at $V_{nom} = 1.4A_{rms}$
Input protection	External Input Breaker	6A, 3 pole 480Vac	
	External Input Fuse	6A, 480Vac Slow Blow	
	Inrush Current	40A Maximum	
	Overvoltage	Varistor	
	Surge Immunity L-L	2KV	
	L-G	4KV	
Switching frequency		65kHz	
Output	Voltage Nominal	24Vdc	
	Voltage Adj. Range	23...28Vdc	
	Current nominal	40A	
	Maximum Start-up Current	70A	
	Current Surge	80A	
	Current Surge Time	1 second	
	Surge Cycle Time	60 seconds	
	Maximum Load Capacitance	10,000µF	
Efficiency	at Maximum load	90%	
Output ripple		<20mVrms	
Regulation	Load (10-100%)	5%	
	Line	1%	
Protection	Short Circuit	Auto restart	
	Overvoltage	$V_{out} > 30.5Vdc$	
	Undervoltage	$V_{out} < 20Vdc$	
	Over Temperature	$V_{out}$ heatsink temperature $> 100\text{ }^{\circ}C$	
	Over Current	43A typical @ 24V for $>1$ second	
Hold time		at $V_{min} = 14\text{ ms}$	at $V_{nom} = 20\text{ ms}$
Temperature	Storage	$-40^{\circ}C...+85^{\circ}$	
	Operating	$-10^{\circ}C...+50^{\circ}C$ (Full Power)	
Humidity	Storage	5...95%	
	Operating	20...85% non-condensing	
Galvanic Isolation	Input to Output	3kVac	
	Input to Ground	1.5kVac	
	Output to Ground	500Vac	
Wire Size	Input	22...12 AWG (0.08...2.5mm <sup>2</sup> )	
	Output	22...6 AWG (0.5...16mm <sup>2</sup> )	
	I/O	22...12 AWG (0.08...2.5mm <sup>2</sup> )	
Dimensions (L x W x H)		182 x 268 x 133 mm (7.2 x 10.6 x 5.3 in.)	
Weight		3800g (8.35 lbs.)	
Mounting		TS 35 Rail, chassis (Recommended Clearance: Leave 4 in. (10cm) free space on venting sides)	
Special Features	Cooling	Fan cooled	
	Load Sharing	Maximum 2 units <sup>1)</sup>	
	Redundancy	No maximum	
	Fault Relay	Form C contacts (1A @ 30Vdc or 30Vac)	
	$V_{out}$	0...10Vdc = 0...30Vdc	
$T_{out}$	0...10V = 0...10 $^{\circ}C$ (internal temperature)		
$I_{out}$	0...10V = 0...50A		
Miscellaneous	Indicator	Green LED (DC on)	
	Power Factor	0.9 typical @ 380Vac    0.87 typical @ 480Vac	
Approvals/certifications			
CSA 22.2 #950-95, UL 508 Listed, CE marked			

1) 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