

**CN100A24/CO**

SPECIFICATIONS

C259-01-01/CO-A

ITEMS		MODEL	CN100A24-5/CO	CN100A24-12/CO	CN100A24-24/CO
1	Nominal Output Voltage	V	5	12	24
2	Maximum Output Current	A	20	8.4	4.2
3	Maximum Output Power	W	100	100.8	100.8
4	Efficiency (Typ.) (*1)	%	86	88	88
5	Input Voltage Range	-	14.4-36VDC (40V transient for 3sec)		
6	Input Current (*1)	A	4.91	4.83	4.83
7	Output Voltage Accuracy (*1)	-	+/- 1%		
8	Output Voltage Range (*8)	%	-10 / +20	+ / -10	
9	Maximum Ripple & Noise (*8)	mV	100	150	240
10	Maximum Line Regulation (*2)	mV	20	48	96
11	Maximum Load Regulation (*3)	mV	40	96	192
12	Over Current Protection (*4)	-	105 - 140%		
13	Over Voltage Protection (*5)(*7)	-	125 - 145% (Inverter shutdown method)		
14	Remote Sensing (*7)	-	Possible		
15	Remote ON/OFF Control (*7)	-	Possible (SHORT : ON OPEN : OFF)		
16	Parallel Operation	-	-		
17	Series Operation (*7)	-	Possible		
18	Operating Temperature (*6)	-	-40°C to +100°C (Baseplate) Ambient Temperature min=-40°C		
19	Operating Humidity	-	5 to 95%RH (No Dewdrop)		
20	Storage Temperature	-	-40°C to +100°C		
21	Storage Humidity	-	5 to 95%RH (No Dewdrop)		
22	Cooling	-	Conduction Cooled		
23	Temperature Coefficient	-	0.02%/°C		
24	Withstand Voltage (*9)	-	Input-Baseplate : 2.0kVAC for 1min. (10mA), Input-Output : 3.0kVAC for 1min. (10mA) Output-Baseplate : 500VAC for 1min. (10mA)		
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output-Baseplate...500VDC		
26	Vibration	-	At No Operating, 10-55Hz (Sweep for 1min.) Amplitude 0.825mm Constant (Maximum 49.0m/s <sup>2</sup> ) X,Y,Z 1 hour each IEC61373 - Category 1 - Grade B		
27	Shock	-	196.1m/s <sup>2</sup> IEC61373 - Category 1 - Grade B		
28	Safety	-	Approved by UL60950-1, CSA60950-1, EN60950-1		
29	Weight (Typ.)	-	70g		
30	Size (W x H x D)	mm	36.8 x 12.7 x 57.9 (Refer to Outline Drawing)		
31	Other	-	PCB Coated (Except for Baseplate)		

\*Read instruction manual carefully, before using the power supply unit.

Derating Curve

=NOTES=

- \*1. At 24VDC and maximum output current.  
(Baseplate Temperature = +25°C)
- \*2. 14.4 - 36VDC, Constant load.
- \*3. No Load - Full Load, Constant input voltage.
- \*4. 5V delay shutdown when left in OCP condition,  
with the output voltage less than the LVP level.  
12V and 24V constant current limiting with automatic recovery.  
LVP reset : Line off or Control off.
- \*5. OVP reset : Line off or Control off.
- \*6. Rating - Refer to Derating Curve on the right.  
- Load(%) is percent of maximum output current.  
- Refer to Instruction Manual.
- \*7. Refer to Instruction Manual.
- \*8. External components are necessary for operation.  
(Refer to Basic Connection and Instruction Manual.)
- \*9. This specification applies to power supply module as stand-alone.

