SPECIFICATIONS

C259-01-01/CO-B

MODEL ITEMS				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		ı	5 to 95%RH (No Dewdrop)		
22	Cooling		-	Conduction Cooled		
23	Temperature Coefficient		-	0.02%/°C		
24	24 Withstand Voltage (*9) - Input-Baseplate : 2.0kVAC for 1min. (10r				or 1min. (10mA), Input-Output	: 3.0kVAC for 1min. (10mA)
				Output-Baseplate : 500VAC for 1min. (10mA)		
25	Isolation Resistance		-	More than $100 \text{M}\Omega$ at 25°C and $70\%\text{RH}$ Output-Baseplate 500VDC		
26	Vibration		-	At No Operating, 10-55Hz (Sweep for 1min.)		
				Amplitude 0.825mm Constant (Maximum 49.0m/s²) X,Y,Z 1 hour each		
				IEC61373 - Category 1 - Grade B		
27	Shock		-	196.1m/s ²		
				IEC61373 - Category 1 - Grade B		
28	Safety		-	Approved by UL62368-1, CSA62368-1, EN62368-1,		
				UL60950-1, CSA60950-1, EN60950-1 (Expire date of 60950-1:20/12/2020)		
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)		

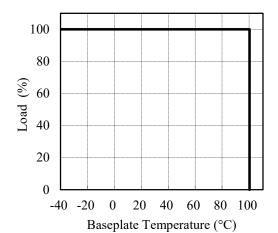
^{*}Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 24VDC and maximum output current. (Baseplate Temperature = $+25^{\circ}$ 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.



Derating Curve