

CN50A110/CO

SPECIFICATIONS

C256-01-01/50CO-B

ITEMS		MODEL	CN50A110-5/CO	CN50A110-12/CO	CN50A110-15/CO	CN50A110-24/CO
1	Nominal Output Voltage	V	5	12	15	24
2	Maximum Output Current	A	10	4.2	3.4	2.1
3	Maximum Output Power	W	50	50.4	51.0	50.4
4	Efficiency (Typ.)	(*1) %	85	86	86	86
5	Input Voltage Range	-	60 - 160VDC			
6	Input Current	(*1) A	0.55	0.55	0.55	0.55
7	Output Voltage Accuracy	(*1) -	+/- 1%			
8	Output Voltage Range	(*8) %	-10 / +20	+/- 10		
9	Maximum Ripple & Noise	(*8) mV	100	150	150	240
10	Maximum Line Regulation	(*2) mV	20	48	60	96
11	Maximum Load Regulation	(*3) mV	40	96	120	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 ²) 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.

Derating Curve

=NOTES=

- *1. At 110VDC and maximum output current. (Baseplate Temperature = +25°C)
- *2. 60 - 160VDC, 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, 15V 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.

