

CCG30-48-xxS

C267-01-01B

SPECIFICATIONS

MODEL			CCG30-48-03S	CCG30-48-05S	CCG30-48-12S	CCG30-48-15S
ITEMS						
1	Nominal Output Voltage	V	3.3	5	12	15
2	Maximum Output Current	A	7	6	2.5	2
3	Nominal Output Power	W	23.1	30	30	30
4	Efficiency (Typ.) (*1)	%	87	90	90	91
5	Input Voltage Range	VDC	18 - 76			
6	Input Current (*1)	A	0.55	0.69	0.69	0.69
7	Output Voltage Accuracy (*1)	%	±2			
8	Output Voltage Range	%	±10			
9	Maximum Ripple & Noise (*6)	mV	70	70	95	95
10	Maximum Line Regulation (*2)	mV	13.2	20	48	60
11	Maximum Load Regulation (*3)	mV	13.2	20	48	60
12	Over Current Protection	-	105% min. (Hiccup, Automatic recovery method)			
13	Over Voltage Protection	-	-			
14	Remote ON/OFF control (*5)	-	Possible (SHORT : ON OPEN : OFF)			
15	Parallel Operation	-	-			
16	Series Operation (*5)	-	Possible			
17	Operating Temperature (*4)	-	-40°C - +110°C(Case) , -40°C - +85°C(Ambient)			
18	Operating Humidity	-	5 - 95%RH (No Dewdrop)			
19	Storage Temperature	-	-55°C - +125°C			
20	Storage Humidity	-	5 - 95%RH (No Dewdrop)			
21	Cooling	-	Convection cooled / Forced air cooled			
22	Temperature Coefficient	-	0.02%/°C			
23	Withstand Voltage (*7)	-	Input-Case : 1.0kVDC for 1min. (10mA) , Input-Output : 1.5kVDC for 1min. (10mA) Output-Case : 1.0kVDC for 1min. (10mA)			
24	Isolation Resistance	-	Output to Case 500VDC more than 100MΩ (25°C,70%RH)			
25	Vibration	-	At No Operating, 10-55Hz (Sweep for 3min.) Amplitude 1.52 mm Constant (Maximum 90.8m/s ²) X,Y,Z 1 hour each			
26	Shock	-	490.3m/s ²			
27	Safety	-	Approved by UL60950-1, CSA60950-1, EN60950-1			
28	Weight (Typ.)	g	20			
29	Size (W x H x D)	mm	25.4 x 9.9 x 25.4 (Refer to Outline Drawing)			

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

=NOTES=

*1. At 48VDC and maximum output current.

(Ambient Temperature = +25°C.)

*2. 18 - 76VDC, Constant load.

*3. No Load - Full Load, Constant input voltage.

*4. Rating - Refer to Instruction Manual.

*5. Refer to Instruction Manual.

*6. External components are needed for operation.

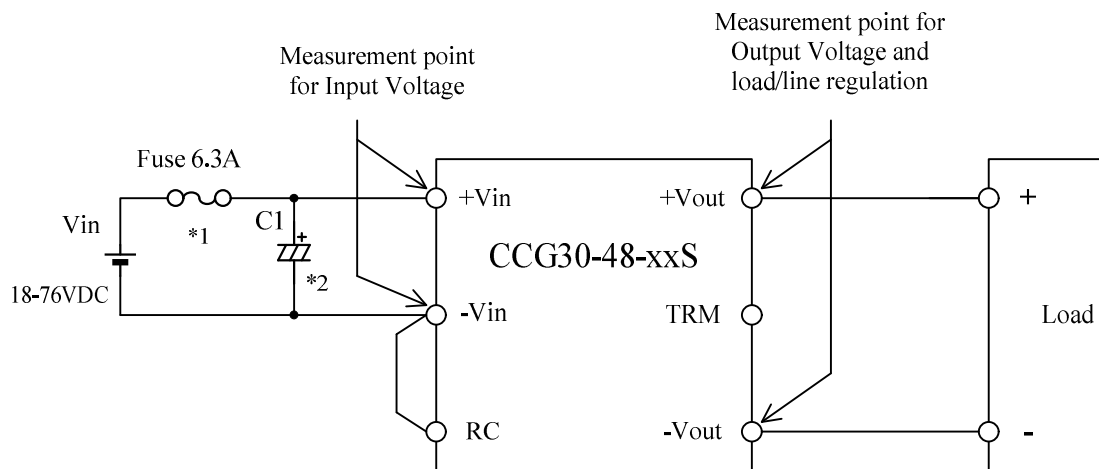
(Refer to Instruction Manual.)

*7. This specification applies to power supply module as stand-alone.

CCG30-48-xxS

C267-01-02

BASIC CONNECTION



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

==NOTES==

*1. Use an external fuse (fast blow type or normal blow type) for each unit.

*2. Put input capacitor.

$C1$: Electrolytic capacitor More than 100V, 47 μ F

- 1) Use low impedance electrolytic capacitor with excellent temperature characteristics.
- 2) If the impedance of input line is high, $C1$ capacitance must be more than above.