

**CCGS30-48-xxS/BDIN**

**SPECIFICATIONS**

C320-01-01/BDIN

ITEMS		MODEL	CCGS30-48 -03S/BDIN	CCGS30-48 -05S/BDIN	CCGS30-48 -12S/BDIN	CCGS30-48 -15S/BDIN	
<b>INPUT</b>							
Input Voltage Range (DC)		V	18-76				
Efficiency (Typ.)		(*1) %	84.5	87.5	88	89	
Input Current (Typ.)		(*1) A	0.57	0.71	0.71	0.70	
<b>OUTPUT</b>							
Nominal Output Voltage(DC)		V	3.3	5	12	15	
Output Voltage Initial Set Accuracy		(*1) -	3.29 - 3.41	4.97 - 5.14	11.85 - 12.25	14.83 - 15.33	
Output Voltage Adjustment Range(DC)		V	2.97 - 3.63	4.50 - 5.50	10.80 - 13.20	13.50 - 16.50	
Maximum Output Current		A	7	6	2.5	2	
Maximum Output Power		W	23.1	30	30	30	
Maximum Line Regulation		(*2) mV	13.2	20	48	60	
Maximum Load Regulation		(*3) mV	80	75	100	120	
Temperature Coefficient		-	Less than 0.02% / °C				
Maximum Ripple & Noise		0≤Ta≤70°C	mV	100	100	130	130
		(*4) -20≤Ta<0°C	mV	180	180	180	180
<b>PROTECTIVE FUNCTION</b>							
Over Current Protection		(*5) -	105% minimum				
Over Voltage Protection		-	None				
<b>FUNCTION</b>							
Remote ON/OFF Control		(*4) -	Possible				
Remote Sensing		-	None				
Parallel Operation		-	None				
Series Operation		(*4) -	Possible				
<b>ENVIRONMENT</b>							
Operating Temperature		(*6) -	-20 to +70°C				
Storage Temperature		-	-30 to +85°C				
Operating Humidity		-	20 to 95%RH (Non Condensing)				
Storage Humidity		-	10 to 95%RH (Non Condensing)				
Vibration		-	At no operating, 10 - 55Hz (Sweep for 3min) 19.6m/s <sup>2</sup> Constant, X,Y,Z 1hour each.				
Shock		-	Less than 196.1m/s <sup>2</sup>				
Cooling		-	Convection Cooling				
<b>ISOLATION</b>							
Withstand Voltage		-	Input - FG : 1.5kVDC (10mA), Input - Output : 1.5kVDC (10mA), Output - FG : 1.0kVDC (10mA) for 1min				
Isolation Resistance		-	More than 100MΩ at 25°C and 70%RH Output - FG : 500VDC				
<b>STANDARD AND COMPLIANCE</b>							
Safety		-	Approved by IEC/EN/UL/CSA 62368-1 (Altitude ≤ 5,000m)				
<b>MECHANICAL</b>							
Weight (Typ.)		g	105				
Size (W x H x D)		mm	52.0 x 31.9 x 93.0				

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

=NOTES=

- \*1. At 48VDC input voltage and maximum output current. (Ambient Temperature = +25°C.)
- \*2. 18 - 76VDC input voltage, constant load.
- \*3. No Load - Full Load, constant input voltage.
- \*4. Refer to Instruction Manual.
- \*5. OCP TYPE : Hiccup, Automatic recovery.
- \*6. Rating - Refer to Output Derating Curve in Instruction Manual.