

## Model: GP-CCP008N Series

### ■ Features

- Universal AC input 90~264VAC.
- Constant Current Mode.
- Suitable for High Brightness Light-Emitting Diode products.
- Protections: OCP / SCP.
- Cooling by free air convection.
- Meet application for ErP (EU) 2019/2020.
- No-Load Power Consumption < 0.5W.
- Set up time < 0.5 Sec at 230VAC full load.
- IP67.

### ■ Approvals



### ■ Size

57 x 41 x 24 mm (L x W x H)



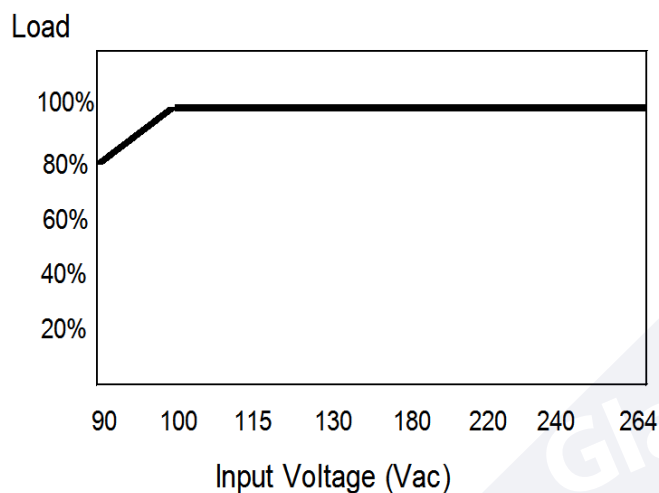
### ■ Specifications

GP-CCP008N-xxC-P01 (xx: for Output Voltage C: mean that Constant Current Mode)

Model No.		GP-CCP008N-11C-P01	GP-CCP008N-14C-P01	GP-CCP008N-21C-P01	GP-CCP008N-24C-P01
Output	DC Voltage	11V	14.5V	21V	24V
	Constant Current Region <small>Note.4</small>	2 ~ 11V	2 ~ 14.5V	2 ~ 21V	7 ~ 24V
	Rated Current	680mA	500mA	350mA	300mA
	Current Tolerance	±7%			
	Rated Power	7.48W	7.25W	7.35W	7.2W
	Efficiency at 240VAC(Typ.)	75%	75%	75%	75%
	Voltage Tolerance <small>Note.3</small>	±5%			
	Set up Time (Max)	< 0.5 Sec at 230VAC full load			
Model No.		GP-CCP008N-28C-P01	GP-CCP008N-38C-P01	GP-CCP008N-48C-P01	
Output	DC Voltage	28V	38V	48V	
	Constant Current Region <small>Note.4</small>	10 ~ 28V	12 ~ 38V	18 ~ 48V	
	Rated Current	250mA	200mA	150mA	
	Current Tolerance	±7%			
	Rated Power	7W	7.6W	7.2W	
	Efficiency at 240VAC(Typ.)	78%	79%	80%	
	Voltage Tolerance <small>Note.3</small>	±5%			
	Set up Time (Max)	< 0.5 Sec at 230VAC full load			
Input	Rated Voltage	100 - 240VAC 141~340VDC			
	Voltage Range	90VAC ~ 264VAC			
	Frequency Range	50 Hz - 60 Hz			
	Power Factor	> 0.5 at 230VAC			
	No-Load Power Consumption	< 0.5W at 230VAC			
	Inrush Current (Typ.)	Cold Start 7A (Td=410us measured at 50% Ipeak) at 230VAC			

	Max. Number of PSUs on Circuit Breaker	B type : 25 units (10A) / 41 units (16A) / 64 units (25A), C type : 42 units (10A) / 68 units (16A) / 107 units (25A), D type : 137 units (16A) / 214 units (25A) at 230VAC
	AC Current (Max.)	0.2A
Protections	Over Current	Constant current mode protection
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared
Environment	Operation Temp.	-20 ~ +50°C
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-40 ~ +80°C
	Storage Humidity	10% ~ 95% RH
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.
Safety & EMC	Safety Standards	Compliance EN61347-1,EN61347-2-13 ,IP67
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P :100M ohms / 500V DC at 25°C
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	57 x 41 x 24mm; 74g/pcs
Note	1. All specifications not specially mentioned are measured at 230VAC full load and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance 4. Constant current operation region is within 75%~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design.	

## ■ Derating Curve



## ■ Mechanical Specification

