


**Model:** GP-HS08N Series

**Approvals:** 

**Features:**

- \* Universal AC input 100-240V AC.
- \* Constant Current Operation.
- \* Suitable for High Brightness Light-Emitting Diode products.
- \* Protections: OCP / SCP .
- \* IP65
- \* Cooling by free air convection.



HS08N-xxCy xx: for Output Voltage ; y: for Output Current

**Specification**

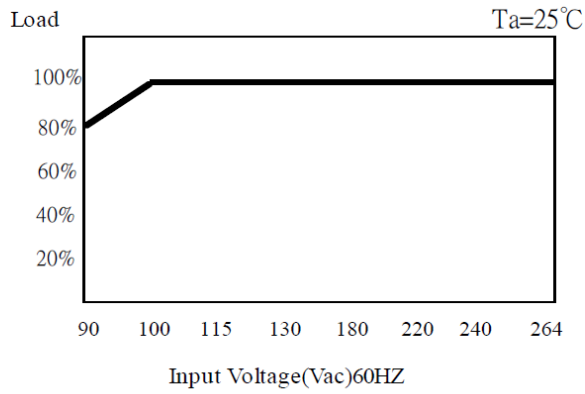
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REV:X03

C: mean that Constnt Current Mode

Model No.		HS08N-11C	HS08N-14C	HS08N-21C
<b>Output</b>	DC Voltage	11V	14.5V	21V
	Constant Current Region <small>Note.4</small>	3 ~ 11V	5V~14.5V	10 ~ 21V
	Rated Current	680mA	500mA	350mA
	Current Tolerance	±7%		
	Rated Power	7.48W	7.25W	7.35W
	Efficiency at 240Vac(Typ.)	70%	70%	70%
	Voltage Tolerance <small>Note.3</small>	±5%		
	Set up time (Max.)	< 1S		
<b>Input</b>	Voltage Range	90-264V AC		
	Frequency Range	50 Hz - 60 Hz		
	AC Current (Max.)	0.2A		
<b>Protections</b>	Over Current	Constant current mode protection		
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.		
<b>Environment</b>	Operation Temp.	-20 ~ +40°C		
	Operation Humidity	20% ~ 90% RH non-condensing.		
	Storage Temp.	-40 ~ +80°C		
	Storage Humidity	10% ~ 90% RH		
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes		
<b>Safety &amp; EMC</b>	Safety Standards	Compliance EN61347-1,EN61347-2-13 ,IP65		
	Withstand Voltage	I/P-O/P: 3.75KVAC		
	Isolation Resistance	I/P-O/P :100M ohms / 500VDC at 25 °C		
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15		
	Harmonic Current	Compliance to EN61000-3-2 Class A,EN61000-3-3		
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11;EN61547		
<b>Others</b>	MTBF	200K hours min. MIL-HDBK-217F(25°C)		
	Dimension(L*W*H)	57*40.8*24 mm		
	Packing(L*W*H)/Carton	100pcs/Carton		
	Net Weight	74g		
<b>Note</b>	<p>1. All specifications not specially mentioned are measured at 240Vac and 25 °C ambient temperature.</p> <p>2. Ripple &amp; Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.</p> <p>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.</p>			

**Derating Curve**



**Mechanical Specification**

