

LEDDRIVER

NPS-100

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Non-Dimmable Electronic Control Gear With Active PFC

• **Features:**

- Universal AC input 90VAC~300VAC
- Protections: Short Circuit/ Overcurrent /Over voltage / Over Temperature
- Cooling by free air convection
- Built in active PFC function
- Small and Compact size
- 100% Full Load Burn-in Test



SPECIFICATION

MODEL	75312	75250	75208	100416	100333	100277	
Output	Rated Current	3.12A	2.5A	2.08A	4.16A	3.33A	2.77A
	LED Operation Voltage	18~24V	22~30V	27~36V	18~24V	22~30V	27~36V
	Typical Output Power	75W			100W		
Input	Voltage Range	90VAC~300VAC					
	Current@230VAC(Typ.)	385mA			514mA		
	Frequency Range	45Hz - 65Hz					
	Power Factor	>0.95 at 100%load					
	ATHD	<10%					
	Efficiency	>89%					
	Inrush Current	<30A @230VAC					
Protection	Open LED Protection	Hiccup mode, recovers automatically after fault condition is removed					
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed					
Environment	Working Temp. Range	-30°C to 50°C.					
	Working Humidity	20 to 90%RH Non Condensing.					
	Storage Temp Humidity	-40 to 80°C, 10 to 95%RH.					
Safety & EMC	Safety Standard	Designed to meet IS 15885-2-13, UL60950-1					
	Withstand Voltage	I/P-O/P : 3KVAC I/P-FG : 1.5KVAC O/P-FG : 0.5KVAC					
	EMC Emission	Designed to meet EN61000-3-2 Class C (>=75%load); EN61000-3-3					
	EMC Immunity	Designed to meet EN61000-4-2,3,4,5,6,8,11, EN61547, Light industry level (Surge 2KV), Criteria A					
Others	Cooling	Natural Cooling.					
	Enclosure Protection	IP 67					
	Dimension	181.5x 71 x 46mm (L*W*H)					
Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 Deg. C ambient temperature. 2. Tolerance : includes set up tolerance , line regulation and load regulation. 3. Specifications are subject to change without prior notice due to constant improvement in design & technology. 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.						

