

LEDDRIVER

NPS-200

Nuteck PowerSolutions P Ltd.
 1st Floor,115/5, RamtekdIndustrial Area,
 Hadapsar,Pune-411013.
 Tel : +91 26811162,Mob : +91 9552545012
 Email: info@nuteck.in
 Web : www.nuteck.in

Non-Dimmable Electronic Control Gear With Active PFC

• Features:

- Universal AC input 90VAC~300VAC
- Protections: Short Circuit/ Overcurrent /Over voltage
- Cooling by free air convection
- Built inactive PFC function
- IP67 design for indoor or outdoor installations
- Suitable for LED lighting and moving sign applications



SPECIFICATION

MODEL	200100	200833	200666	200555	200416	
Output	DC Voltage	20V	24V	30V	36V	48V
	Constant Current Region	15~20V	18~24V	22.5~30V	27~36V	36~48V
	Rated Current	10A	8.33A	6.66A	5.55A	4.16A
	Rated Power	200W				
	Ripple & Noise(max.)	150mVp-p				
	Open Circuit Voltage	17~22V	22~27V	26~32	31~41V	40~56V
	Voltage Tolerance	±2%				
	Line Regulation	±0.5%				
	Load regulation	±1%				
Input	Hold Up time (Typ.)	>20ms@230VAC				
	Voltage Range	90VAC~300VAC				
	Frequency Range	45Hz - 65Hz				
	Power Factor	>0.95 at 100%load				
	Efficiency	>87%				
	Current@230VAC(Typ.)	1052mA				
Protection	Inrush Current	<30A @230VAC				
	Leakage Current	<1mA @230VAC				
	OverCurrent (Typ.)	Protection type :Constant current limiting,recovers automatically after fault condition is removed				
Environment	Short Circuit	Hiccup mode,recovers automatically after fault condition is removed				
	OverVoltage	23 ~27V	28 ~34V	33 ~36V	42 ~48V	59~70V
		Protection Type: Hiccup Mode, Recovers automatically after fault condition is removed.				
Safety & EMC	Working Temp.Range	-30°C to 70°C.				
	Working Humidity	20 to 90%RH Non Condensing.				
	Storage Temp Humidity	-40 to 80°C, 10 to 95%RH.				
	Vibration	10 to 500Hz, 2G, 20min/sweep, period-1Hr, Each along X, Y, Z axes.				
Others	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				
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/ 500VDC/25 °C/ 70% RH				
	EMC Immision	Designed to meet EN61000-3-2 Class C(≥75%load); EN61000-3-3				
Note	EMC Immunity	Designed to meet EN61000-4-2,3,4,5,6,8,11, EN61547, Light industry level(Surge 2KV), Criteria A				
	Cooling	Natural Cooling.				
	Enclosure Protection	IP 67				
Dimension	Dimension	224 x 76 x 46mm (L*W*H)(With Mounting)				
	Note	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25Deg. 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.				

