



HAWYANG SEMICONDUCTOR CORP.

HYP-1906

High-Power LED Driver Module Specification

Design by :

Check by

App. by:

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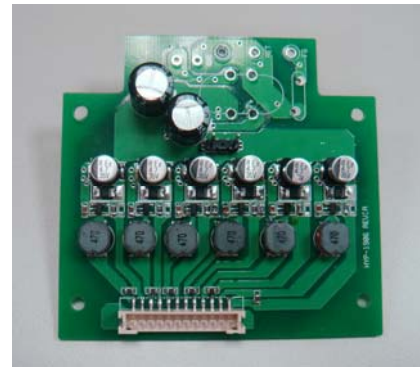


Product Specifications:

- Vin: DC 24-30V
- Constant Current Output, insure the High-Power LED use safety
- Uses Electronic Transformer Driver
- High-Efficiency Driver Module
- Open-Circuit and Short-Circuit Output Protection
- Independent Current Detection, Maximum connection of 6 groups.
- Capable of driving a variety of white colored high-power LED (7 series LED connection, 6 group of independent current detection)



HYP-1906 Driver Module is designed specifically for LED streetlamp structure. It can drive a high-power LED of approximately 48W ($V_f=3.3V$; $I=350mA$) with a maximum of 7 serial connection bulb on 6 groups (total 42 LEDs) along independent current detection and stable output current. Each group output is consists of open-circuit and short circuit protection which are not affected by other circuit-burnt or short-circuit LEDs. Driver Module can provide high efficiency power transfer, thus the module as a whole is lower in temperature and does not get affected by ambient temperature.



	Option	Parameter
Input	Working Voltage Range (V)	DC 24-30V
	Output Current (mA)	2.5A Max
	Efficiency (%)	96% ($V_{in}: DC 30V$ $V_{out}: 23.1V * 6$)
Output	Output Voltage (V)	DC 21V – 23.1V
	(Single)Constant Current & Accuracy (mA)	350mA \pm 5%
	Working Temperature (°C)	-10°C - +85°C
Others	Ambient Humidity (%)	20%-95%RH
	Outer Dimension (L x W) (mm)	72.5mm x 76.1mm
	Protection Method	Output Open-Circuit 、 Short-Circuit Protection