



## Features



CE IP67

DIMENSIONS: 192(L)x29(W)x20.5(H)mm  
WEIGHTS: 215g

- **Waterproof, meet class IP67**
- **Convection cooled**
- **Build-in short, overload, overheat protection**
- **100% burn-in test**
- **Apply for LED Light**
- **1 years Warranty**
- **Output modify range: 3V~100VDC**

## General specifications

INPUT

Input range	180~260VAC
Input frequency	50~60Hz
Inrush current (25° C)	30A/ 220VAC

OUTPUT

Hold-up time	40mS
Short protection	Autorecovery
Overload protection	Overpower protection
Over temp. protection	Autorecovery <sup>5</sup>

## Detail specifications

20 Watts (Constant Voltage)

MODEL	O/P Volt Adj. ± %	Load(Current) <sup>1</sup>			Ripple & Noise <sup>2</sup>	Current Error <sup>3</sup>	Efficiency <sup>4</sup>
		Min.	Rated	Max.			
LLV1020-12	V1: +12V ±0.5V	0A	1.67A	1.67A	150mVp-p	± 4%	80% Min.
LLV1020-24	V1: +24V ±0.5V	0A	0.83A	0.83A	240mVp-p	± 2%	80% Min.

## CE Standards

EN 55032,  
EN 61000-3-3, EN 55024,  
(EN 61000-4-2, EN 61000-4-3,  
EN 61000-4-4, EN 61000-4-5,  
EN 61000-4-6, EN 61000-4-8,  
EN 61000-4-11)

## Safety Standards

CE Marking  
IP67 Meet

Suitable for indoor use or outdoor use without direct sunlight exposure.  
Please avoid immerse in the water over 30 minutes.

## Environments

Operating Temperature -15 ~ 50°C, Ambient  
Operating Humidity 5 ~ 95% RH, No Condensing  
Storage Temperature -20 ~ 85°C, Ambient

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
  3. The current error is include Load regulation and circuit regulation are measured on the rated load at 220VAC input. (Line regulation is measured from low line to high line at rated load.)
  4. Efficiency is measured at rated load and 220VAC input.
  5. The degree of power transistor over 110°C will auto protect and reset
  6. Reign Power reserve the right to change specifications at any time without notice.