

AC → DC WATERPROOF POWER SUPPLY

LLV020 Series

Features



CE IP67

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

- **Waterproof, meet class IP67**
- **Convection cooled**
- **Internal 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 ⁵

Detail specifications

20 Watts (Constant Voltage)

MODEL	O/P Volt Adj. ± %	Load(Current) ¹			Ripple & Noise ²	Current Error ³	Efficiency ⁴
		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.

EMC Standards

EN55022 CLASS A
EN61000-3-3
EN55024(IEC61000-4-2,
IEC61000-4-3, IEC61000-4-4
IEC61000-4-5, IEC61000-4-6
IEC61000-4-8, IEC61000-4-11)

Safety Standards

CE CE Marking
IP67 Meet

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 is measured by power cord and rated load using at a 0.1uF and capacitor 10uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 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