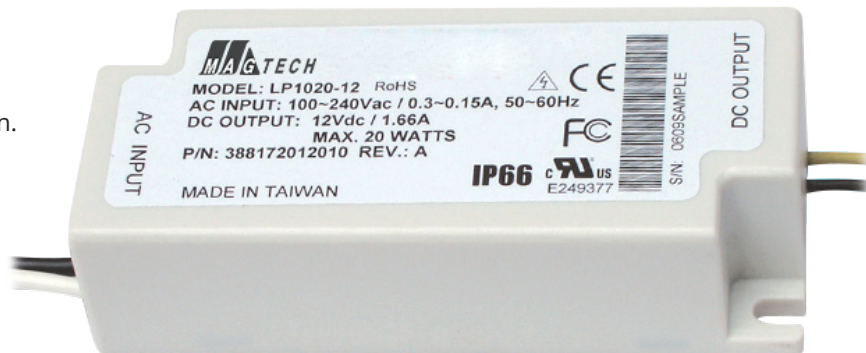


LP1020-XX Series

20 Watts | 100-277VAC

PRODUCT FEATURE

- UL1310, Class 2 and UL879 recognized
- Single output, Constant or Constant Voltage design.
- IP66 Compliant
- Suitable for dry or damp locations.
- Designed for outdoor or indoor applications.
- Suitable in standard electrical junction boxes
- ELV (trailing-edge) dimmable - Optional
- Active PFC reduces power consumption



ELECTRICAL SPECIFICATIONS

INPUT RANGE	: 100 - 304VAC
FREQUENCY	: 47 to 63Hz
POWER FACTOR	: > 0.92 at full load, 115VAC; <20% full load, 230VAC
CREST FACTOR	: 1.5 max
INRUSH CURRENT	: 10.0 Amps maximum at 230VAC, cold start, 25°C
INPUT CURRENT	: 0.3 Amps maximum at 115VAC
EFFICIENCY	: 85% typical at maximum load
EMI FILTERING	: 47CFR, Part 2, Part 15 and Cispr PUB, 22 Class B
MAXIMUM POWER	: 20W
CURRENT ACCURACY	: ±1% (When applicable)
LOAD REGULATION	: ±3%
LEAKAGE CURRENT	: 300uA typ.
HOLD UP TIME	: Half cycle minimum at 120VAC and 80% of rated load
PROTECTION	: Over-voltage, Over current and Short circuit protection: Auto-recovery

ENVIRONMENTAL

OPERATING TEMPERATURE	: -30 to 50°C (De-rating: 2% per °C from 50-70°C)
STORAGE TEMPERATURE	: -40 to + 85°C
HUMIDITY (NON-CONDENSING)	: 5% to 95%
COOLING	: Convection
VIBRATION FREQUENCY	: 5 to 50Hz
MTBF	: >100,00 Hours at full load and 25°C ambient conditions (MIL-217F)
EMC	: Compliant to 47CFR, Part 2, Part15 and Cispr PUB, 22 Class B
ACOUSTIC NOISE	: Less than 24db (20-20K Hz)

SAFETY

UL	UL48, Class 2 Compliant and UL879 recognized
cUL	UL48, Class 2 Compliant and UL879 recognized
CE	

WARRANTY

- See [Limited Warranty Policy](#) for more additional information.

LP1020-XX Series

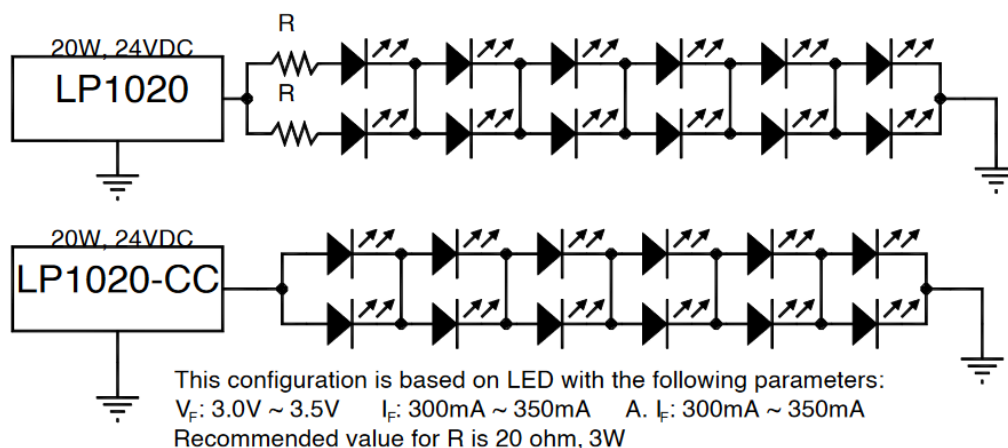
20 Watts | 100-277VAC

MODEL NUMBER	CONSTANT VOLTAGE MODE OUTPUT			MODEL NUMBER	CONSTANT CURRENT MODE OUTPUT		
	V (DC)	A (mA)	Watts		V (DC)	A (mA)	Watts
LP1020-52	52, $\pm 5\%$	400	21	LP1020-52-Cxxxx	36 – 52	400, $\pm 5\%$	21
LP1020-36	36, $\pm 5\%$	550	20	LP1020-36-Cxxxx	18 – 36	550, $\pm 5\%$	20
LP1020-24	24, $\pm 5\%$	830	20	LP1020-24-Cxxxx	12 – 24	830, $\pm 5\%$	20
LP1020-22	22, $\pm 5\%$	910	20	LP1020-22-Cxxxx	12 – 22	910, $\pm 5\%$	20
LP1020-18	18, $\pm 5\%$	1100	20	LP1020-18-Cxxxx	9 – 18	1100, $\pm 5\%$	20
LP1020-17	17, $\pm 5\%$	1250	21	LP1020-17-Cxxxx	9 – 17	1250, $\pm 5\%$	21
LP1020-15	15, $\pm 5\%$	1330	20	LP1020-15-Cxxxx	9 – 15	1330, $\pm 5\%$	20
LP1020-13	13, $\pm 5\%$	1540	20	LP1020-13-Cxxxx	7 – 13	1540, $\pm 5\%$	20
LP1020-12	12, $\pm 5\%$	1760	21	LP1020-12-Cxxxx	7 – 12	1760, $\pm 5\%$	21
LP1020-10	10, $\pm 5\%$	2000	20	LP1020-10-Cxxxx	7 – 10	2000, $\pm 5\%$	20

Note: The Constant Voltage models are not compatible with ELV dimmer

Note: The output current of Constant Current models are adjustable at factory from 50% - 100%.

RECOMMEND APPLICATION SCHEMATICS



Project Name:	
Type:	

LP1020-XX Series

20 Watts | 100-277VAC

MODEL INFORMATION - Single DC Output

LP1020-XX - Constant Voltage Model

XX - Available Output Voltage, refer to chart above.

LP1020-XXC - Constant Current Model

CC - Stands for Constant Current Model

XXX - Available Output Voltage

YYY - Available Constant Current Setting, 350mA or 700mA or 1050mA

AC Input Cable

AWG #20, two conductors UL PLTC type or equiv.

DC Output Cable

AWG #20, two conductors UL PLTC type or equiv.

MECHANICAL DRAWING

