

IP67 Constant Voltage Driver 20W

ML-PS20 & ML-PS20-V2



- Constant voltage output
- Input range 170-265VAC
- Efficiency 85% max
- Protections: short circuit / over current
- Cooling by free air convection
- IP67 design for indoor or outdoor installations.
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp/wet locations



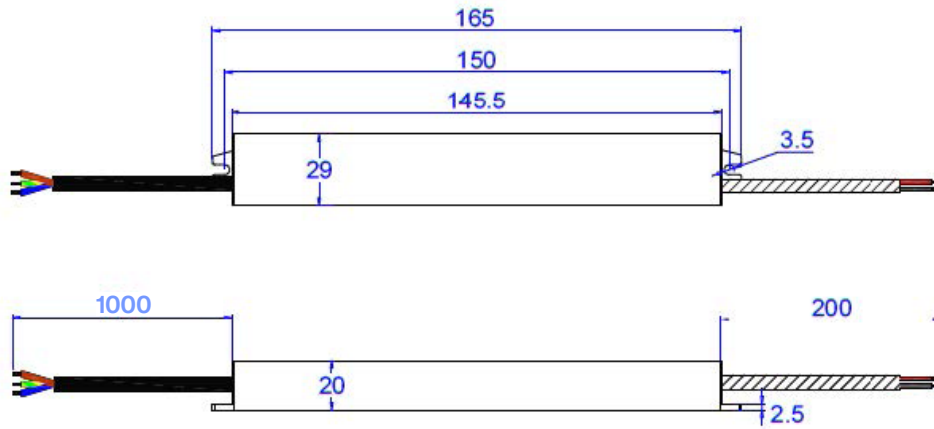
MODEL		ML-PS20	ML-PS20-V2
Output	DC Current	1.67A	0.83A
	Voltage Accuracy	±0.5V	
	Output voltage	12V DC	24V DC
	Rated power	20W	20W
	Max Load	16W (80%)	20W (80%)
Input	Voltage Range	170V~265V AC	
	Frequency Range	47~63HZ	
	Power Factor (Typ.)	PFC=0.6	
	Full Load Efficiency (Typ.)	83%	85%
	AC Current (Typ.)	0.18A/220VAC 0.15A/265VAC (PFC=0.6)	
	Leakage current	<0.5mA/220V AC	
Protection	Short Circuit	Protection type: Hiccup mode, recovers automatically after fault condition is removed	
	Over Current	≤1.2 Iout	
	Over temperature	100°C±10°C shut down o/p voltage, re-power on to recover	
Environment	Working TEMP.	-40~+60°C	
	Working Humidity	20~95%RH, non-condensing	
	Storage TEM., Humidity	-40~+80°C 10~95%RH	
	TEMP. coefficient	±0.03%/°C (0~50°C)	
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axes	
Safety	Safety standards	EN61347-2-13 IP67	
	Withstand voltage	I/P-O/P: 3.75KVAC I/P-FG: 1.88KVAC O/P-FG: 0.5KVAC	
	Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100MΩ/500VDC/25°C/70%RH	
Others	Net Weight	2.63kg	
	Size	235*131.5*63.5mm (L*W*H)	
	Packing	414*308*174mm/5pcs G.W./ctn: 14.2KG	
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.		

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12V 24V 20W CONVENTIONAL CONSTANT VOLTAGE DRIVER MECHANICAL SPECIFICATION



- Input VDE H03VV-F 3G *0.75mm², the green/yellow cable connect with (FG), Brown with AC (L), Blue with AC(N)
- Output VDE H03VV-F 2G*0.75 mm², red is output (V+), Black is output (V-)

LOAD DERATING CURVE

