



Bright Star Lighting Co.,Ltd

MSD-0/10V-DIM-CV-120W series

Waterproof Constant voltage 0-10V dimmable LED driver



Features特征:

- The output voltage is constant;输出模式: 恒压;
- Noise free, flicker;无频闪, 无噪音设计;
- Using active built-in PFC techology;采用PFC技术;
- Efficiency>88% PF>0.95;效率>88%功率因素PF>0.95;
- Protection:SCP/OVP;短路保护 过压保护;
- Aluminum silicone gel potted waterproof IP67 protection;铝外壳硅胶防水IP67等级;
- 0/1-10V/PWM/potentiometer(3 in 1 dimming);0/1-10V/PWM/电位器三合一调光。
- Full input voltage 100-277V AC;全电压100-277V AC输
- CE/ROHS/SAA/TUV passed;CE/ROHS/SAA/TUV认证;
- 5 Years warranty.5年质保。

规格书Specification Sheet

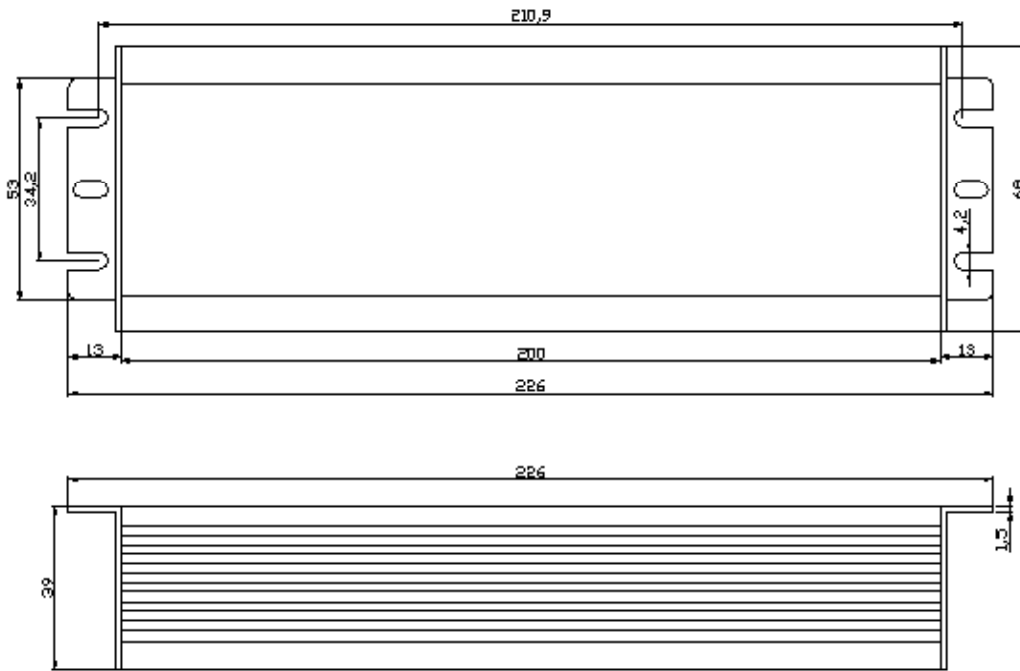
名称Model	恒压源CV	MSD-0/10V-DIM-CV-120W		
输出 Output	输出电压 Output Voltage	12V	24V	36V
	恒压精度 Voltage Precision	±0.5V		
	输出电流 Output Current	10A	5A	3.3A
	输出功率 Output Power	120W(Max)		
	线性调整率Line Regulation	1%		
输入 Input	输入电压 Input Voltage Range	100-277V/AC(standard) 85VAC(min)305V/AC(max)		
	输入电流 AC Current(Typ)	1.35A@100VAC 1.23A@110VAC 0.61A@220VAC 0.51A@264VAC		
	频率 Frequency Range	50/60Hz		
	功率因数 PFC(Typ)	>0.95@full load		
	效率 Full-loading Efficiency	>86%	>88%	>90%
异常保护 Protection	保护类型 Short Circuit	Short circuit protection / Over voltage protection		
	最大输入电压Over Voltage	<305VAC		
使用环境 Environment	工作温度Operation Temperature	-40~+50℃		
	工作湿度Operation Humidity	20~90%		
	存储 Storage	-40~ +85℃, 10~95%RH		
	温度系数Temperature Coefficient	±0.03%/℃(-45~50℃)		
	抗震能力Vibration Resistance	10~500HZ,2G 10Min/period,X、Y、Z line per 60 mins		
安规与电磁兼容 Safety&EMC	标准 Standard	Refer to EN 61347-1;EN 61347-2-13; EN 62493		
	耐压 Withstand Voltage	I/P-O/P:3.75KVAC		
	绝缘强度Insulating Strength	I/P-O/P:400M Ω/500 VDC/25℃/70%RH		
	传导 EMC Emission	To Correspond EN55015,EN61000-3-2(≧50% load)		
	辐射 EMC Immunity	To Correspond EN55015,EX61000-4-2,3,4,5,6,8,11,A Level of light industry standard(Surge 4KV)		
其他Other	重量Weight	1100G		
	尺寸Dimension	226*68*39mm (L*W*H)		
	PCB材质	94V-0 PC fire retardant		
	颜色Color	Dark Grey		
	包装Packing	44*28*18cm/15pcs		

NOTE

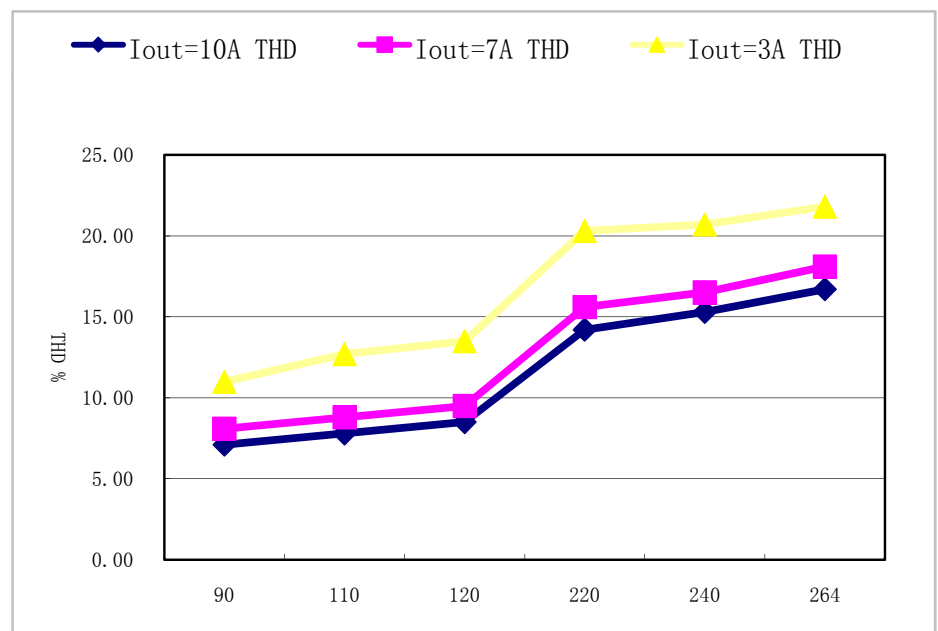
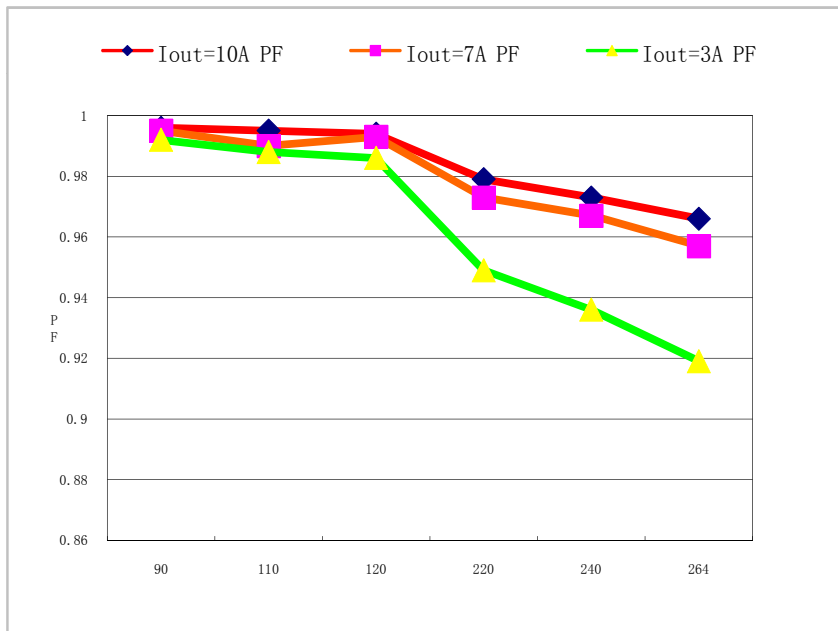
All parameters are measured at normal temperture(25-28℃)
 1、Ripple & Noise are measured at 20KHz of bandwidth by using a 12" twisted pair-wire teminated with a 0.1 uf & 47uf parallel capacitor(@ full load).
 2、The efficiency measured at Max output voltage,and 230VAC with full load,if with 110VAC the efficiency will be lowered 0.5%~1.5%;Working 1~2 hours,efficiency will be higher 1.5%~1%than the initial stage.

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1. Mechanical Specification



2. Power Factor & THD Characteristics



3. Wiring diagram

