



Bright Star Lighting Co.,Ltd

MSD-CV-100W

High PF Constant Voltage Waterproof LED Power Supply



Features特征:

- The output voltage is constant.输出模式: 恒压
- Input voltage:100-277VAC.输入电压: 100-277VAC
- Using active built-in PFC technology.采用PFC技术
- Efficiency>85% PF>0.95.效率>85%功率因素PF>0.95
- Protection:SCP/OVP.短路保护 过压保护
- Aluminum case waterproof.防水铝外壳
- Easy to install.容易安装
- Nature cooling.自然冷却
- CE/ROHS/SAA/TUV passed.CE/ROHS/SAA/TUV认证
- 5 Years warranty.5年质保

规格书Specification Sheet

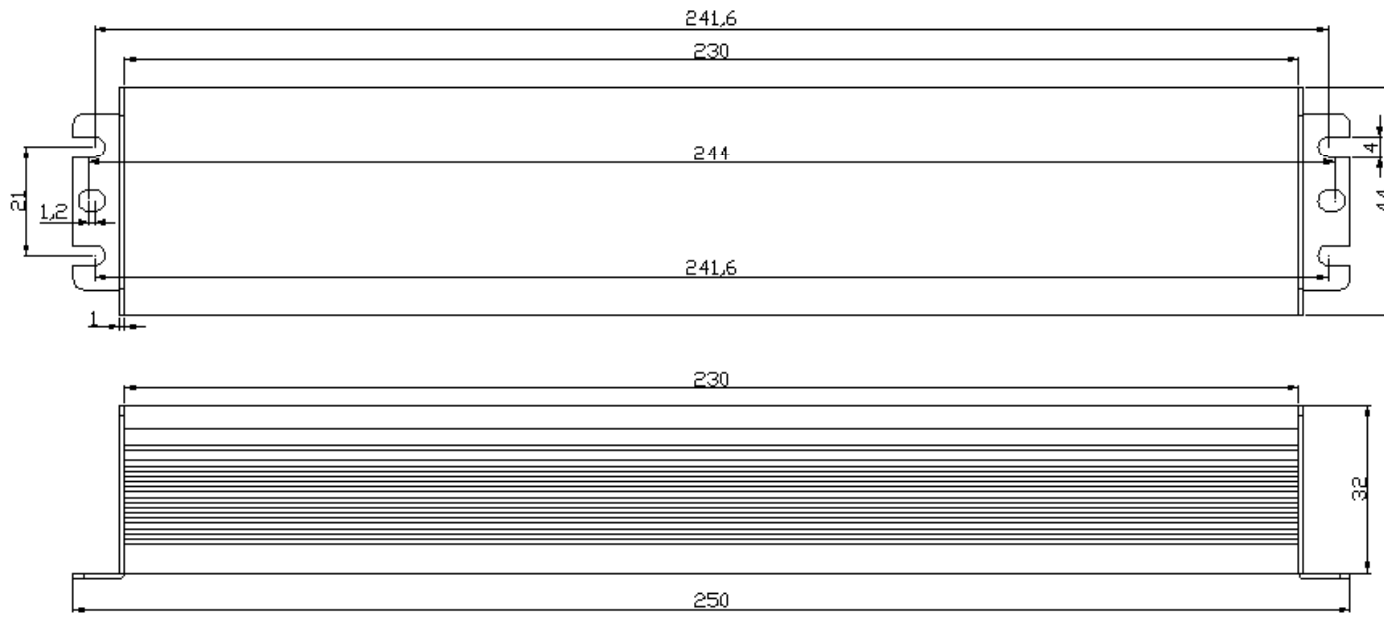
名称Model	恒压源CV	MSD-CV-100W	
输出 Output	输出电压 Output Voltage	24V	36V
	恒压精度 Voltage Precision	±0.5V	
	输出电流 Output Current	4.2A	2.8A
	输出功率 Output Power	100W	100W
	线性调整率Line Regulation	1%	
输入 Input	输入电压 Input Voltage Range	100-277V/AC(standard) 85VAC(min)305V/AC(max)	
	输入电流 AC Current(Typ)	1.16A@100VAC 1.05A@110VAC 0.51A@230VAC 0.43A@264VAC	
	频率 Frequency Range	50/60Hz	
	功率因数 PFC(Typ)	>0.95@full load	
	效率 Full-loading Efficiency	>85%	>87%
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~+60℃	
	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	700g	
	尺寸Dimension	250*44*32mm (L*W*H)	
	PCB材质	94V-0 PC fire retardant	
	颜色Color	Dark Grey	
	包装Packing	44*28*18cm/15pcs	

NOTE

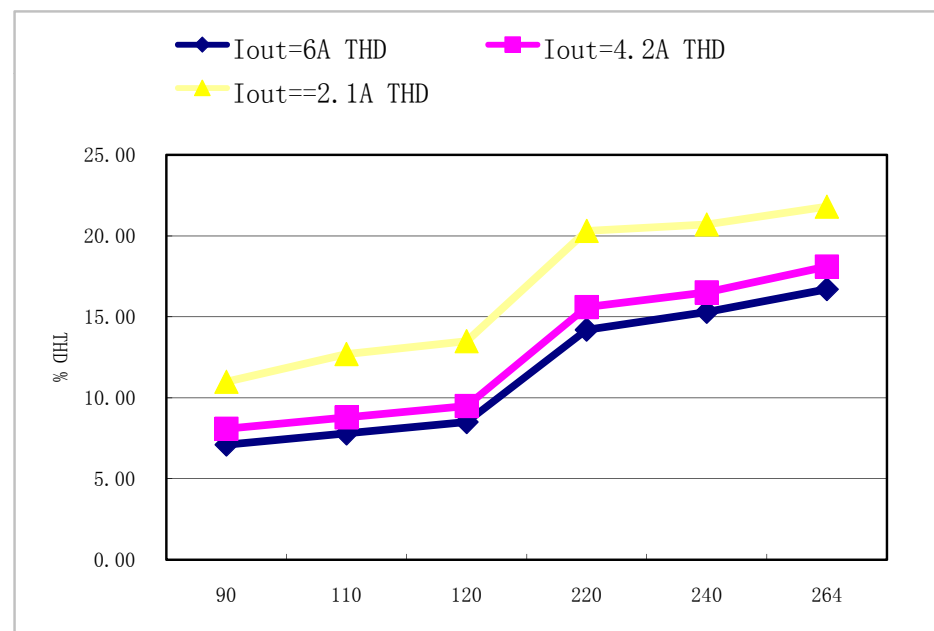
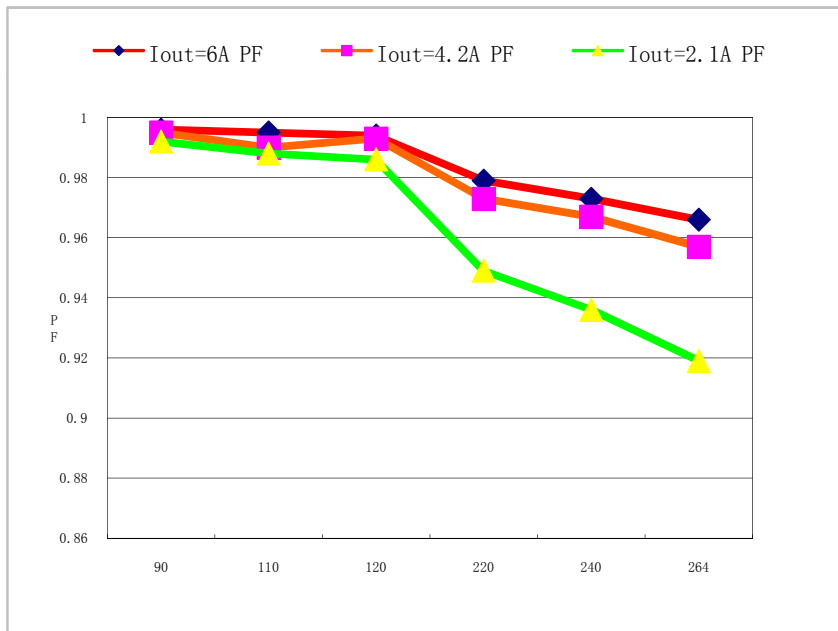
All parameters are measured at normal temperture(25-28℃)
 1、Ripple & Noise are measured at 20KHz of bandwidth by using a 12" twisted pair-wire teminated with a 0.1 uf & 47uf parallel capacitor(@ full load).
 2、The efficiency measured at Max output voltage,and 230VAC with full load,if with 110VAC the 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. Efficiency & Load of (110VAC / 230VAC)

