



Bright Star Lighting Co.,Ltd

MSD-CV-120W series

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 techology.采用PFC技术
- Efficiency>90% PF>0.98.效率>90%功率因素PF>0.98
- 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

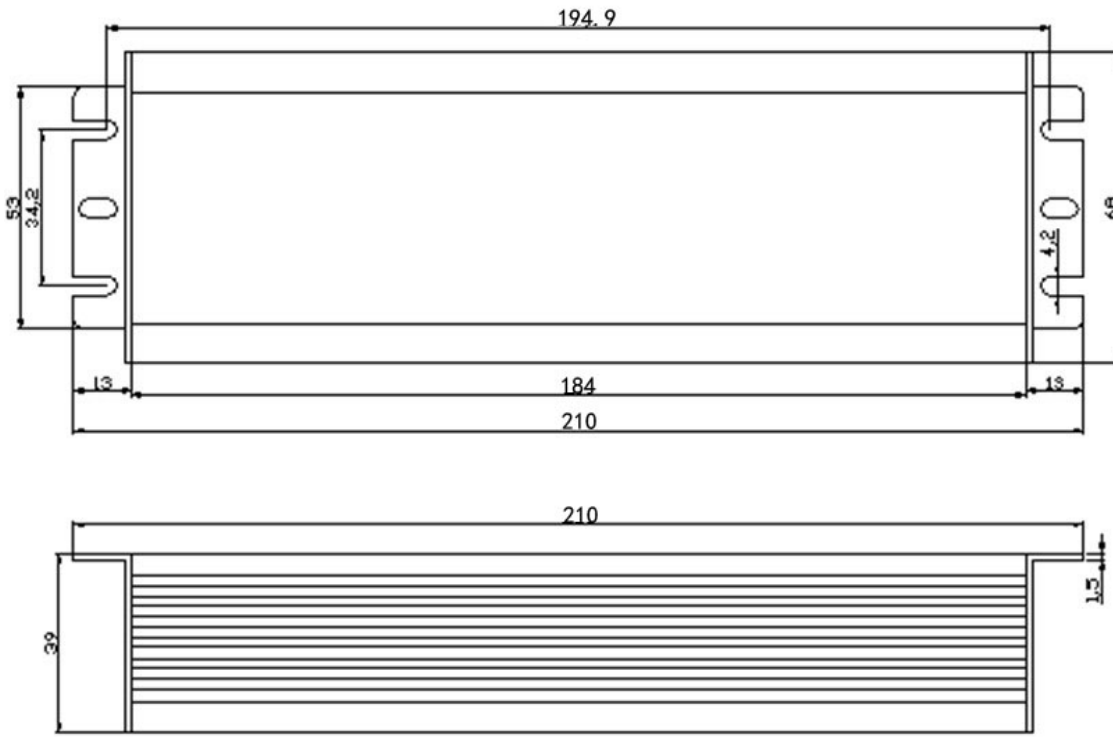
规格书Specification Sheet

| 名称Model               | 恒压源CV                       | MSD-CV-120W  |     |      |
|-----------------------|-----------------------------|--|-----|------|
| 输出<br>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   |     |      |
|                       | 线性调整率Line Regulation        | 1%   |     |      |
| 输入<br>Input           | 输入电压 Input Voltage Range    | 100-277V/AC(standard) 85VAC(min)305V/AC(max)   |     |      |
|                       | 输入电流 AC Current(Typ)        | 1.343A@90VAC 1.218A@110VAC 0.558A@230VAC 0.505A@264VAC                                       |     |      |
|                       | 频率 Frequency Range          | 47-63Hz  |     |      |
|                       | 功率因数 PFC(Typ)               | >0.98@full load  |     |      |
|                       | 效率 Full-loading Efficiency  | 90%  |     |      |
| 异常保护<br>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<br>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<br>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                    | 1000G  |     |      |
|                       | 尺寸Dimension                 | 210*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   |     |      |

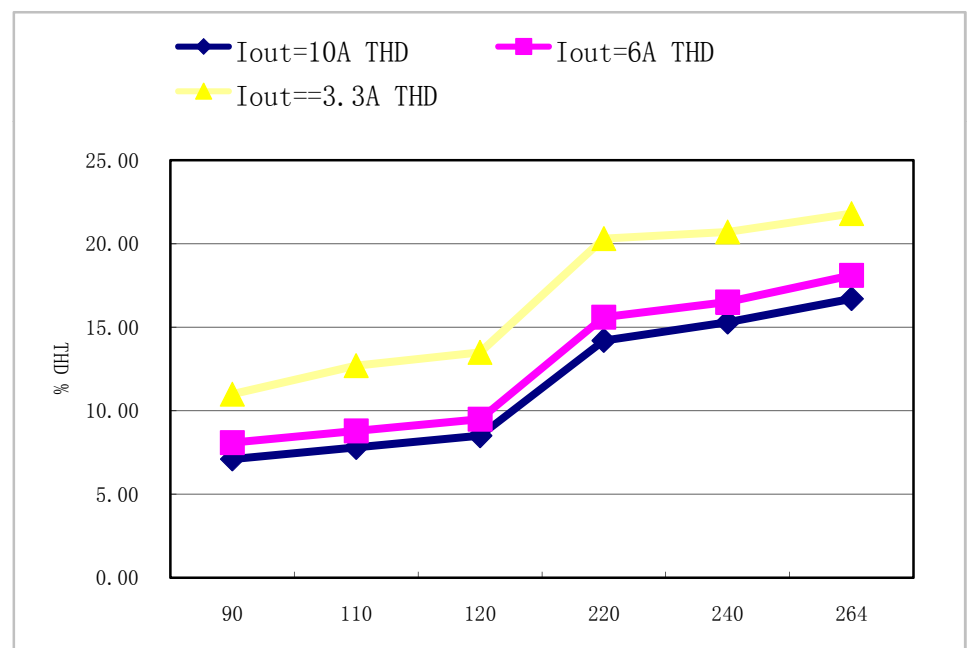
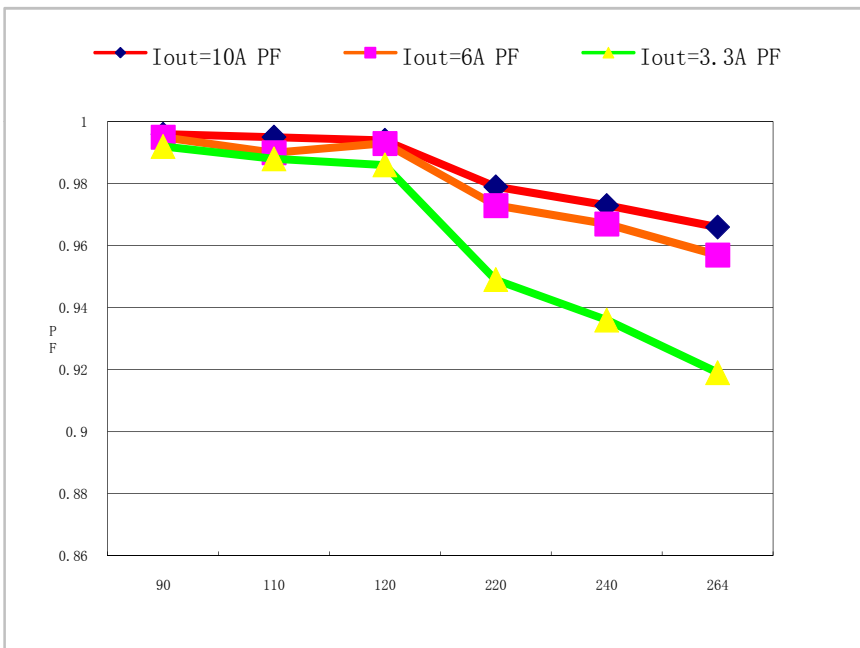
NOTE  
All parameters are measured at normal temperture(25-28℃)  
1、Ripple & Noise are measured at 20KHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uf & 47uf parallel capacitor(@ full load).  
2、The efficiency measured at Max output voltage,and 230VAC with full load,if with 110VAC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

