# SL2.0数据推送接口

## 1.1文档维护历史

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| **版本** | **日期** | **作者** | **备注** |
| 0.0.1 | 2015-11-30 | 张如欣 | 创建 |
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## 1.2协议HTTP

·The data is expected as a POST\_Request

·content-type:application/json

·content-encoding:UTF-8

·HTTP-Protocol:HTTP1.1

## 1.3资源

数据上送接口： url用户自定义， 长度MAX100字节（domain+:+port+uri(MAX80字节)）

例，<http://web.solarmanpv.com:8181/post/push>

## 1.4服务端设置

1）Timeout: 大于 30s 无数据上传，可断开连接

2）服务端接收到数据，需响应200

3）服务端接收到空数据，需响应200

4）服务器错误，需响应5xx

## 1.5数据格式

json结构：

[{ "za" : "404296260" , "a" : "11" , "b" : "8D01" , "c" : "1870447" , "d" : "6156" , "e" : "1477557285" , "f" : "0001" , "ah" : "30159" , "x" : "30" , "z" : "50" , "aa" : "1" , "ab" : "1" , "ac" : "0" , "ad" : "0" , "ae" : "76" , "af" : "44" , "ag1" : "44" , "ah1" : "46" , "ag2" : "44" , "ah2" : "44" , "ag3" : "45" , "ah3" : "45" , "ag4" : "44" , "ah4" : "44" , "ag5" : "43" , "ah5" : "43" , "ag6" : "44" , "ah6" : "45" , "ag7" : "47" , "ah7" : "47" , "ag8" : "51" , "ah8" : "53" , "ag9" : "53" , "ah9" : "51" , "ag10" : "53" , "ah10" : "51" , "ag11" : "48" , "ah11" : "46" , "ag12" : "44" , "ah12" : "48" , "ag13" : "51" , "ah13" : "48" , "ag14" : "51" , "ah14" : "50" , "ag15" : "50" , "ah15" : "49" , "ag16" : "50" , "ah16" : "53" , "ag17" : "53" , "ah17" : "51" , "ag18" : "53" , "ah18" : "52" , "ag19" : "51" , "ah19" : "52" , "ag20" : "52" , "ah20" : "52" , "ag21" : "52" , "ah21" : "50" , "ag22" : "47" , "ah22" : "47" , "ag23" : "47" , "ah23" : "48" , "ag24" : "49" , "ah24" : "50" , "ag25" : "44" , "ah25" : "44" , "ag26" : "45" , "ah26" : "43" , "ag27" : "43" , "ah27" : "43" , "ag28" : "42" , "ah28" : "42" , "ag29" : "44" , "ah29" : "43" , "ag30" : "45" , "ah30" : "43" , "zh" : "47.88.8.200:10000" , "zi" : "02" , "zg" : "E4,65" , "zc" : "127.0.0.1:8181" , "zd" : "1479427738" , "g" : "T80A1608010102"}]

信息

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| za | 采集器SN |
| zi | 帧大类型  01信息帧  02数据帧 |
| a | 帧小类型  01,11实时数据  81,91断点数据 |
| b | sensor号（设备类型） |
| c | 累计工作时间（秒） |
| d | 本次上电时间（秒） |
| e | 偏移时间（秒） |
| f | 通讯地址 |
| g | 连接设备 SN |
| zc | 设备ip |
| zd | 接收时间（UTC 时间戳 秒） |
| 其他值 | 为逆变器数据,详细参考inverter.xxxx.xlsx |

## 1.6返回值

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| Status | Http status code | Summary/reason |
| ACCEPTED | 200 | The request has been accepted. |
| NODATA | 200 | The request has no data. |
| INVALID\_CREDENTIALS | 401 | Access to system denied |
| INVALID\_MSSAGE | 400 | Message is either badly formed or has invalid content or content-type |
| SYSTEM\_MAINTENANCE | 503 | System is currrently unavailable |