# ZMonitor 1.0数据推送接口

## 1资源

数据获取方式,目前server是模拟的提供的服务器地址，真实地址2日后提供

测试地址：[http://](http://web.solarmanpv.com:8181/post/push)server/monitor/

## 2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

## 3数据格式

查询方式GET

a.按日期查询接口：

|  |  |
| --- | --- |
| SNCode | 采集器编号（设备序列号） |
| DataFrom | 日期区间开始时间时，间戳（和Num有一个可以为空） |
| DataTo | 日期区间结束时间，时间戳 |

a.按条数查询接口（不传条数查询该序列号下所有）：

|  |  |
| --- | --- |
| SNCode | 采集器编号（设备序列号） |

## 4模拟提交格式

RESTful接口demo

1、按日期查询：

<http://server/monitor/SNCode/404296260/DataFrom/1507726249/DataTo/1507726376>

2、按条数查询（查询0到10条）：

<http://server/monitor/SNCode/404296260/0/10>

[http://](http://web.solarmanpv.com:8181/post/push)server/monitor/SNCode/404296260/

## 5返回数据格式

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

|  |  |
| --- | --- |
| 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 |