Pushing Custom Parameters to EMS

The following explains how to send data to the ems portal. Open a socket to http://ems.wattmon.com/ or https://ems.wattmon.com if you wish to push data securely. Data should be POSTed to /data/setdatacsv

HTTP POST Variables

Variable	Description
key	MAC address of device
md5sum	MD5 Sum of the contents of the data parameter
data	The CSV data to send, with the first line being the headers containing variable names. Separate lines with \r\n. The first column is the timestamp.
alert	Alert messages, with alert type followed by | and alert string. Multiple messages can be put on different lines with a \r\n linebreak

Response

If the data is successfully imported, the server will respond with OK
Any other response should be considered an error and the same data should be pushed again or skipped if the data itself is corrupt.

Example

The content of the http socket connecton on port 80 looks like this:

```
POST /data/setdatacsv HTTP/1.0
Host: ems.wattmon.com
Content-Type: application/x-www-form-urlencoded
Connection: Keep-Alive
Content-Length: 455

key=D8-80-39-2E-7E-
62&md5sum=fd3b902a1851d9202d1528f6f9b3aa42&data="ts","w_in3","w_in2","w_out2","b
attery_voltage","battery_percent","wd_in3","Relay for Main Inverter
Input","wd_in2","wd_out3","Temperature 1","Temperature 2","Temperature 3","Relay
Output 1","wind_speed","WMPRO2_A1","WMPRO2_A2"
1488811561,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1488811681,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
1488811801,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0
&alert=WARN|System Rebooted
```