

# **Application Note: EMS Integration**

## **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

kev=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

&alert=WARN|System Rebooted