

## PAN File Uploads

HelioScope has the ability to upload PAN files from PVSystem from versions 6.4 and later. This may mean that you need to update a PAN file to a newer version to upload it. This app-note will guide you through the process of updating PAN files so they can be uploaded to HelioScope.

### Diagnosing PAN Files

To understand the version of PVSystem used to create the PAN file, open the file in a raw text editor such as Notepad, Text Editor, or Sublime Text.

Opening a correctly formatted file will show something similar to this:

```

1 PVObject_pvModule
2 Version=6.49
3 Flags=$0043
4
5 PVObject_Commercial=pvCommercial
6 Comment=HelioScope Modules Inc.
7 Flags=$0041
8 Manufacturer=Folsom Labs
9 Model=HE-360-FM
10 DataSource=Manufacturer
11 Width=0.98
12 Height=1.70
13 Depth=0.01
14 Weight=28.00
15 UnitPrice=300.00
16 QuantPrice=290.00
17 NPieces=210
18 PriceDate=15/11/16 17:20
19 Currency=EUR
20 End of PVObject pvCommercial
21
  
```

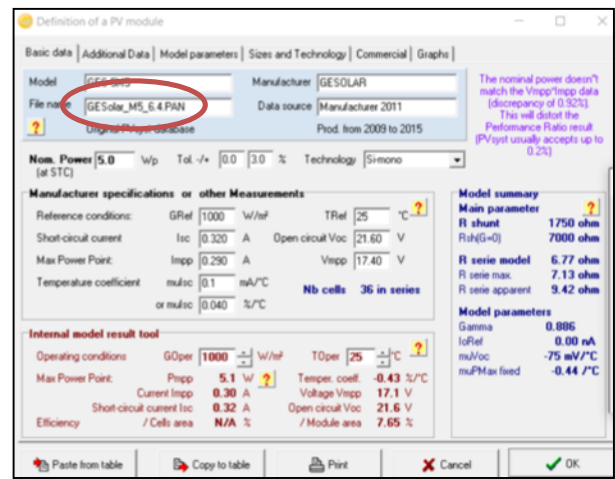
Whereas opening an incorrectly-formatted file will look like this:

```

1 7076 4d6f 6475 6c65 3b43 616e 6164 6961
2 6e20 536f 6c61 7220 496e 632e 0943 5336
3 552d 3333 354d 094d 616e 7566 6163 7475
4 7265 7220 3230 3136 2062 6173 6564 206f
5 6e20 4350 544c 2074 6573 7420 6461 743b
6 0d0a 5665 7273 696f 6e20 362e 3339 3b20
7 4361 6c63 756c 3d24 3030 3530 3034 3433
8 3b32 3031 363b 303b 0d0a 5369 2d6d 6f6e
9 6f3b 3732 3b31 3b33 3b30 3b34 3b30 3b0d
10 0a89 0000 0080 278a 0000 0000 7a8a 0000
11 0000 7a81 7a4e 7adf 7888 cdcc cc4c 748a
12 0000 0000 7a85 0000 0000 4880 6666 6666
13 6684 f628 5c8f 1683 6b2b f697 1f86 6666
14 6666 3888 0000 0000 8f84 b81e 85eb 0d86
15 3333 3333 1780 3333 3333 b382 cdcc cccc
16 4c84 3d0a d7a3 3489 0000 0000 2f7f 0b48
17 c05f 277f a636 5cc0 3784 6219 5cb3 167c
18 ff7f 6d6c 2280 2b07 5dc5 738b 0000 0000
19 2f83 0000 0000 307f b81e 85eb d176 894f
20 d5b9 8800 0000 0000 0081 0000 0000 4000
21 0000 0000 0000 0000 0000 0000 0000 0000
22 0000 0000 0000 0081 0000 0000 408e 0000
23 003c 9c82 0000 0000 0086 0000 0000 487d
24 1f85 eb51 387e 52b8 1e85 6b8e 0000 003c
25 9c81 48e1 7a14 8e82 0000 0000 b000 8800
26 0000 0048 8500 0000 0048 8200 0000 00b0
  
```

### Converting PAN Files

1. Open the PAN file in the most recent version of PVsyst. If you do not have the most recent version, update the program before altering any files.
2. Once the file is uploaded within PVsyst, change the file name to something that reflects the updated version. We recommend including the version it was saved with in the name (in this example we added `_6.4` to the end of the file name).



3. Once the file name has been changed, you can then save the file. This will prompt you to save your file as a new file. Save the file to a common location where it can be easily identified, and make sure that you uncheck the box that says "Make compatible with old versions of PVsyst."

