

# LV PS STATUS

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## Modules at Legnaro

- 1 A3486: 2kW+2kW AC-DC converter.
- 1 Easy crate.
- 2 A3050: 2 x 300W modules.
- 2 A3009: 12 x 45W modules.
- 1 A1676A: SY1527 interface.
- 1 fan unit (courtesy of CAEN).

## Needs for Magnet Test

<b>SY1527</b>	1	
<b>A1676A (Controller)</b>	1	
<b>EASY3000 (crate)</b>	3	2
<b>A3009 (analog and 5Vdigital)</b>	4	2
<b>A3050 (3.3V digital)</b>	7	5
<b>A3486 (AC/DC)</b>	2	1
<b>A3100</b>	2	2

## First tests

- **After a firmware problem in A1676A (promptly solved) the system has been configured and set up and is now feeding a chamber under test; there is still a small problem in one A3009 due to a communication board that is not the final version (the other A3009 is OK) and anyhow there is a very small problem that is solved by resetting the module after power on.**
- **The behaviour of the channels is OK, the output is precise even without ground connection, and next week I hope to get a differential probe to test noise in floating operation.**
- **I would warn about the need of fixing the APP connectors to the front panel of the modules.**

## 48V consumption

- Power required by each system component from 48V service line, as declared by CAEN:

<b>A3486</b>	0.4 A
<b>A3050</b>	0.4 A
<b>A3100</b>	0.4 A
<b>A3009</b>	0.6 A
<b>Easy crate</b>	0 A