

---

## Specification for modules

To study the atmospheric Muons we use the Resistive Plate Chambers (RPCs) as detectors in the Lab. Once we have the Muon data from the above detector, have to access it and analyze with sophisticated Data Acquisition System (DAQ). For some of the INO-based DAQ boards Low Voltage Power supply is needed. These are the Electronic modules as part of that.

1) EASY 300 Crate :

This crate is a main frame for whole LV power supply system and hosts the branch controller and power supply boards.

2) 300F EASY Fan Unit :

Fan unit to provide the cooling for the Low Voltage Power supply system.

3) WA1676A Branch Controller :

This module acts as interface between the the above EASY 300 main frame and remoter boards (ex : WE3025, WE3009).

4) WA3484X AC to DC converter :

This allows to integrate into the EASY channels control also the management of the 48 V power supplies.

5) WE3025X Power Board :

This is a 4 Channel 8V/ 25A/ 150W power supply board, provides the power supply to run the INO-based DAQ boards.

6) WE3009X Power Board :

This is a 12 Channel 8V/ 9A/ 45W power supply board, provides the power supply to run the INO-based DAQ boards.