MPWC Board Description

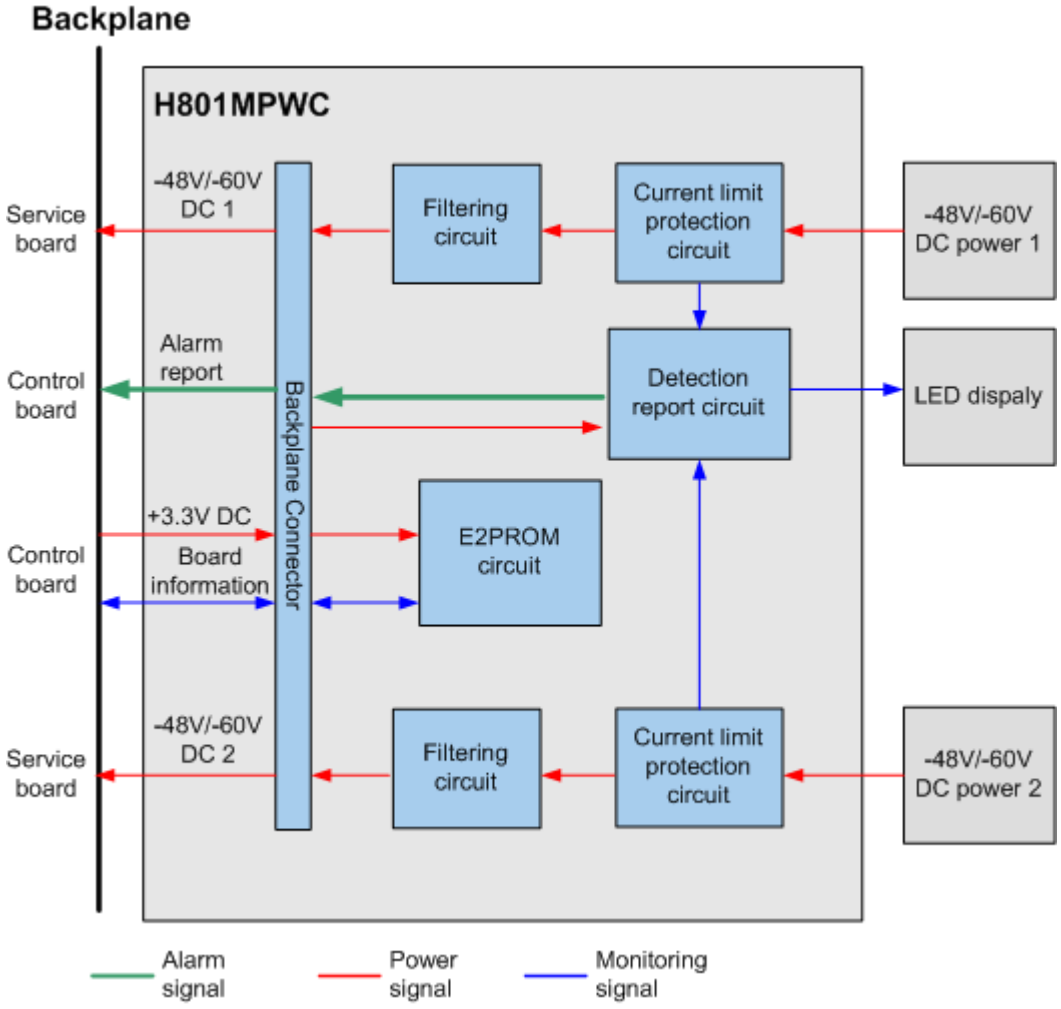
The MPWC board is a power board with dual DC power inputs. The MPWC board leads in the -48 V or -60 V DC power to the device

Functional Specifications

The MPWC board supports the following functions:

- Two -48 V or -60 V DC power inputs (input voltage range: -38.4 V to -72 V)
- Filtering and current-limiting for the power input port
- Detection of power supply availability, and power supply faults
- Reporting of the protection alarm
- Indication of power status

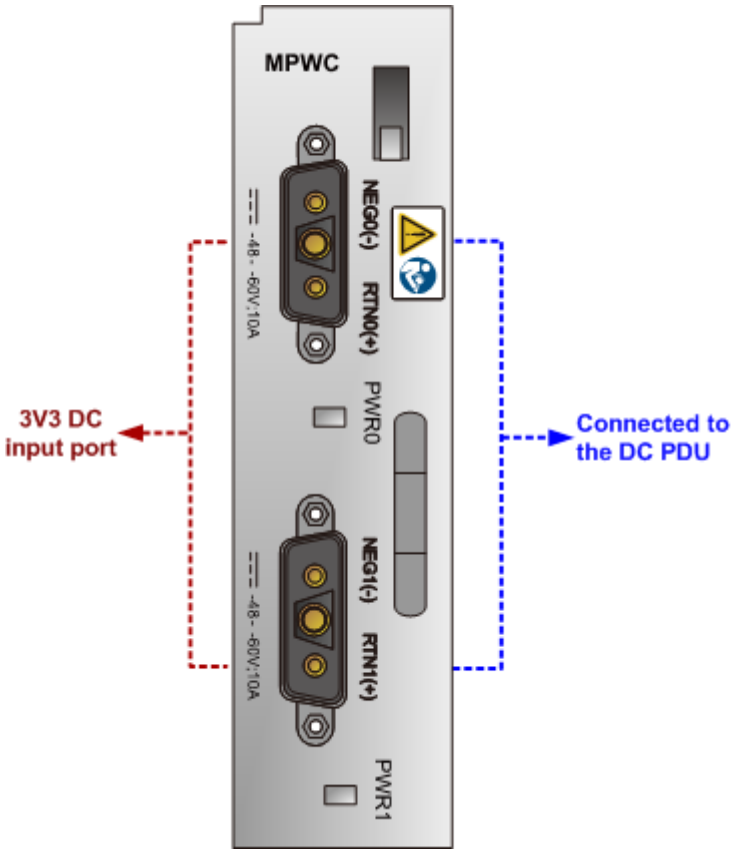
Working Principle



The basic working principle of the H801MPWC board is as follows:

- The H801MPWC board leads in the -48 V or -60 V power input through the 3V3 power connector, and transfers the power to the current limit protection circuit, then to the filter circuit, and finally to the backplane, supplying power to the subrack and other boards.
- The detection and reporting circuit checks the protection fuse for any faults, and reports the detection signals to the control board. The control board indicates these detection signals through indicators.
- The detection and reporting circuit checks for availability of power supply.
- The E2PROM circuit stores the board manufacture information.
- The H801MPWC board leads in the 3.3 V power from the backplane to power certain internal chips of the board.

Front Panel Port



Indicator

Indicator	Name	Color	Status	Meaning
PWR0/PWR1	The power board indicator	Green	On	The power board works properly
		-	Off	The power board is faulty

Power: Static: 2.5 W, Maximum: 2.5 W