

Power Supply

Abstract

The invention can provide for a power supply and in particular a fieldbus power supply, comprising a plurality of power supply modules each arranged to output power on a plurality of channels; a current share controller arranged to share an output current requirement across the plurality of power supply modules and wherein; at least a second of the plurality of channels in each module is arranged to track the loading of the first of the plurality of channels in each respective module and so that a multichannel and multimodule power supply with reduced power handling requirements for each module can be provided.

[Figure 1]