

MULTIPLE INPUT SINGLE INDUCTOR MULTIPLE OUTPUT REGULATOR

ABSTRACT

A power regulator includes a plurality of harvester switches, each coupled to receive a separate energy source, a plurality of load switches, each coupled to supply power to a separate load, an inductor to store energy received from one or more energy sources and release the energy to supply the power to one or more loads and a controller to control charging of the inductor via activation of one or more of the harvester switches and discharging of the inductor via activation of one or more of the load switches.

Fig. 1