

Power Source Controller

The Greeve Power Source Controller (PSC) is designed to maintain power to an electrical load when individual sources of supply fail or cannot supply enough power.

It provides seamless transfer of load between two or more DC power sources which can come from mains power supplies, backup battery banks, wind turbines, generators, photo-voltaic panels or any form of power source.

It transfers the load automatically to the best source of supply and balances the load between supplies when the load increases beyond the capacity of one supply.

The PSC uses solid state MOSFET technologies so there are no relay contacts to wear or generate interference and no diodes with inherent voltage drops.

The PSC can be supplied as a complete power solution with an integrated input mains supply, output DC-DC converters, back up batteries and inverters. Alternatively it can be used as a basic management unit for connection to your own supplies and loads.

It acts in the same way as an Uninterruptable Power Supply but gives the options of alternative sources of reversionary power and the ability to size a battery bank to suit the load.

The PSC can be fitted with an optional battery charge system for applications where one of the sources is supplied by battery.

The unit can be provided as a standalone component, as a DIN rail mount unit, or as a complete back-up supply with multiple output voltages in a rack-mount system.

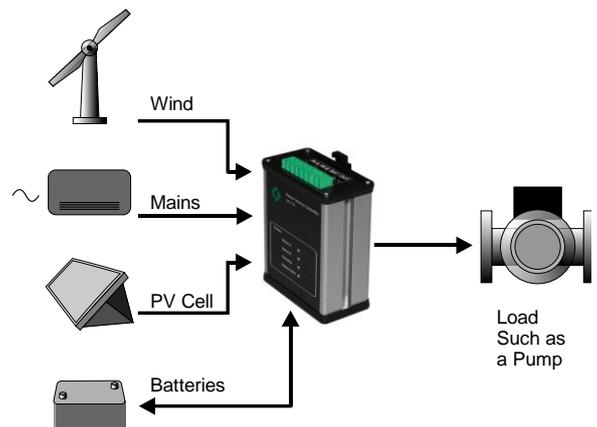
Options for higher numbers of input channels are available to enable very robust and resilient power supply systems to be built.



Din Rail Mount version of the PSC

Example Applications:

The PSC will typically be used where a primary source of supply (such as a wind turbine or generator) can drop out and one or more additional sources are required to provide backup.



Expansion:

The PSC can be integrated with other Greeve products to build a complete power management and monitoring system including power source failure monitoring, battery charge management and load management.

Bespoke Development:

Greeve can provide systems to meet exact requirements; please enquire for details.

Enquire about optimum voltage and power ratings for your application.



19" Rack, Six Channel PSC with Displays and Mains Input PSU