Hypothetical context: When the ac power e.g. comes back on, the (compatible) DEEP CYCLED e.g. U.P.S/ SOLAR etc batteries sold from SOLAR MAN/**GROUP**/S **can**be auto charged to e.g. float level again (after e.g. Nominal/ absorption before e.g. equalizing *certain* batteries) depending on the type/sv of in-verter... Aswell 4 optimal results... Typically a dc"input" -a "output" backup system/s SM islanding incl is designed/ formulated to last for eg. 4 hours, 8 hour, 12 hour parameters (& years afterwards after SM planning!)...; dependent on the clients requirements specifically, however it **also** has to be kept in mind max /min wattage (different types) generation regarding e.g. Systems /dubble-isolating & networking-voltages /wiring/ cabling lengths/ width/s/ various automations, relativistic switches constructive specialised /straight into db boxes, noloads, magnetic fields, losses, calabrations ETC **taking other very, very interesting/ imperative variables into account as well. (On these SM systems panels/ special controllers can be installed in order to e.g. go fully offgrid!)**