In the **same** vein where eg coal/ nuclear **grid power (OR "DIRECT AC") is available, (normally not so clean option than totally offgrid)**clients can also eg *stay on the grid*(CERTAIN CIRCUITS E.G. 4 AC BATTERY CHARGING) & use it eg as a backup if/ when needed, if e.g. 'grid' is on/off, (will be discussed under sections [*grid ti*](http://www.solarm.co.za/pg/85401/22-informationinterested-in-any-grid-tiedhybrid-solar-power-systems-quotations)***&***[*backup*](http://www.solarm.co.za/pg/85402/23-infointerested-in-any-backuppower-systemspartially-acdc-offgrid%27%27ups%27%27-quotes) each respectfully as well) but e.g. using solar energy/ power (**clean modulated energy, (all not created =**) as their eg main source of power in/from eg the **solar** panels /system, through e.g. multipurpose Low v disconnects *etc*. IN THESE SPECIFIC CASES this is only with **special** products sold @ especially **SOLAR MANGROUP OF COMPANIES. Special featured renewable compliant & significantly advanced (fit 4 e.g. wind/ solar etc) 218-240 volt/s pv/ solarrenewed/ windtransformative in**- VERTIED buildin *adjustable* battery chargers (latter sold each respectfully separately aswell) can use e.g. **any** types of 'grid' energies etc to e.g. charge up a battery bank/s (measured over shorter timespans; meaning more energy only from **SM**), if & when needed as e.g. COMPATIBLE auto change- overs /solar panel trackers/ screen monitors ([& special auto sms data power logge](http://www.solarm.co.za/pg/85681/29-exciting-online-booking-system-regarding-in-depth-info-%26-more-on-why-how-specialized-solarenewables-from-sm-can-work-optimally%21%21)rs/ temp /light sensors...) *can* be incl (/are incl) to ensure quality power (**e.g**. Multiple Nominal wattages **etc**) availability **at all times**..., (thats if e.g. escom is on, otherwise an e.g. ac (preferably**quality** AUTO AVR & contactor switches) compatible/s gennie/s... (the latter making it more expensive)/ accessories are needed. A special featured inverter (primary, **not** semi deep cycled) heavy high duty batteries non maintenance compatible & upgradeable can be used **e.g.** when grid ("town council/ energy eskom meduim voltage provider") is cutoff /& offline, discussed under eg [gridt](http://www.solarm.co.za/pg/85401/22-informationinterested-in-any-grid-tiedhybrid-solar-power-systems-quotations)i[/](http://www.solarm.co.za/pg/85402/23-infointerested-in-any-backuppower-systemspartially-acdc-offgrid%27%27ups%27%27-quotes)**[backup systems](http://www.solarm.co.za/pg/85402/23-infointerested-in-any-backuppower-systemspartially-acdc-offgrid%27%27ups%27%27-quotes)** interconnectedly as well)! These are most beneficial during prolonged period/s of e.g. rain/ cloud/s/ snow etc, polluted eskom**billing inaccuracies/ charging rate deficiencies, self consumption /self sustainable sufficiency**... or periods when more power is utalised than the solar/ wind /combi system/s, [hydro](https://m.youtube.com/watch?v=JMh4s3UKPxU)... can produce/ accommodate etc, this is also why e.g. accurate preplanning (in wattage only) IS essential, (even when e.g. pumping power back into the 'grid' discussed in the [gridti section](http://www.solarm.co.za/pg/85401/22-informationinterested-in-any-grid-tiedhybrid-solar-power-systems-quotations))!