



SMARTEC

Technologies

Pure Sine Wave inverter / charger

USA technologies

Lebanese made power

Seeking

Dealer in Arab countries



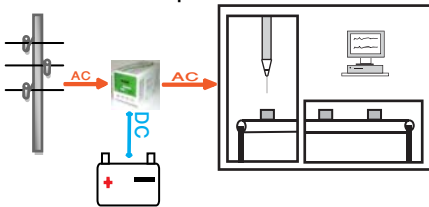
max. load : Up to short-circuit
max. asymmetric load : Up to P_{cont}
max. efficiency : 90%

Dynamic behavior: 5ms(on load change 0 to 100%)

Overload and short-circuit: Automatic disconnection up to 10 times restart attempt

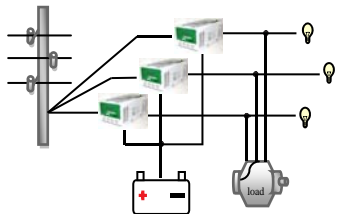
**6 stage charger
Including equalizer**

Process Backup :



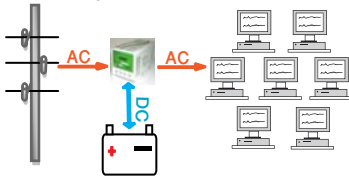
The grid directly supplies the machinery and devices directly through the inverter/charger "bypass" function. In case of a power drop or a cutoff from the grid, the machinery and devices. For instance, this allows machinery tools to run to the end of a cycle ; without any interruption.

3 Phase in and 3 Phase out:



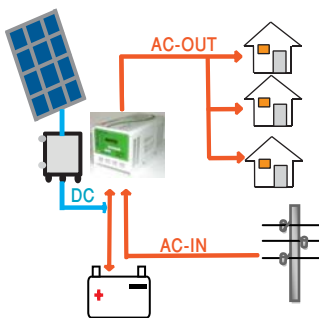
- Three phase source for a three phase power supply.
- The grid supplies the elevator directly through the inverter "bypass" function. In case of power drop or a cutoff from the grid ,the inverter secures the supply to the elevator ,It can run for 24 hours for residential building in normal use without grid power.

Computer :



The grid supplies the computer directly through the inverter "bypass" function .In case of a power drop or a cutoff from the grid. the inverter secures the supply to the user.

Hybrid System :



A Hybrid system is a combination of different energy sources producing renewable energy (solar, wind, hydro) and a diesel/gas generator .(the generator provides flexibility to the system) . In this diagram the SMARTeC inverter is connected to a battery bank and to a generator supplying energy to all kinds of electrical appliances. The battery bank can be recharged by different renewable energy such as solar charger and/or the generator which is automatically managed by the inverter. The SMARTeC inverter has a special power assistant for the generator that helps to maintain stable operation for the generator. In comparison with a 100% green energy system ,the hybrid system is the most economical.

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