



AFRI-POWER

MODULARLY EXPANDABLE
POWER SUPPLY FOR HOUSES,
SCHOOLS AND HOSPITALS WITH
SOLAR ENERGY.

Made in Germany



Afri_Power_V1_EN.ppp

AFRI-POWER

Function



This is equipped with MPPT solar charge controller to maximize and regulate DC power from the solar array for charging the battery bank.

Transformerless design provides reliable power conversion in compact size.

Besides, it's worry-free to start up motor-type loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool and battery chargers.

Can be configured for any power size by connecting in parallel.

AFRI-POWER Technicals



- Cascadable from 1 ... 6 systems
- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery
- Cold start function
- Parallel operation with up to 6 units only available
- Optional Remote Control Panel available

AFRI-POWER Kit

We supply complete self-assembly kits for different system size. This includes all necessary parts:

Kit 1: 05kWh:

01 x Controller

15 x Solar-Modules

15 x Solar-tubs

08 x Battery

01 x Cabel-Set

00 x Kommunikation

Kit 2: 10kWh:

02 x Controller

30 x Solar-Modules

30 x Solar-Tubs

16 x Battery

01 x Cabel-Set

02 x CKommunikation

Kit 3: 15kWh:

03 x Controller

45 x Solar-Modules

45 x Solar-Tubs

24 x Battery

01 x Cabel-Set

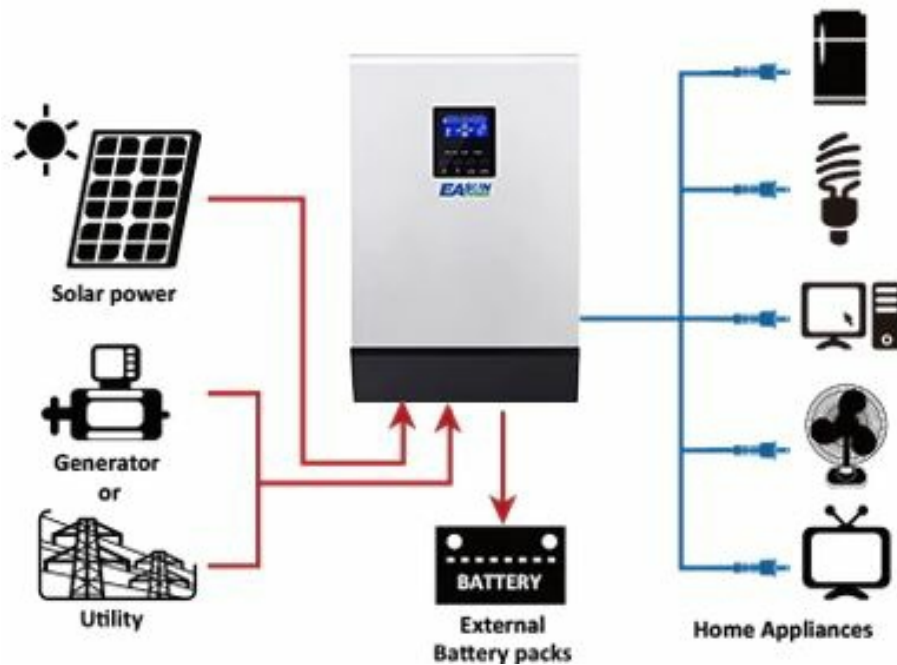
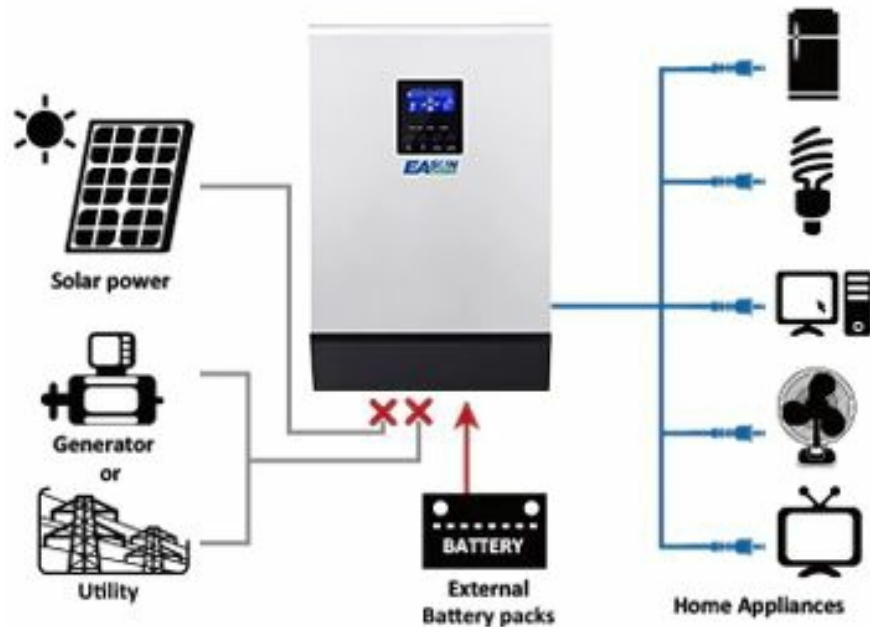
03 x Kommunikation



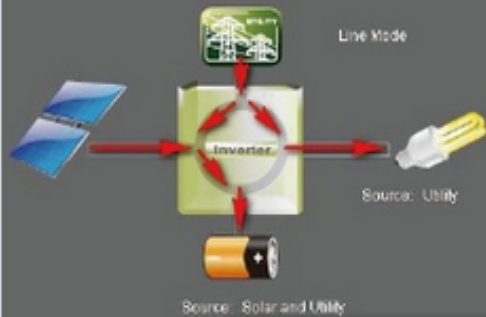
AFRI-POWER Automatic

The intelligent control system monitors the public electricity grid and the solar modules and automatically switches to the best variant.

If the power grid fails during the night when there is no solar energy available, the power is supplied from the batteries.



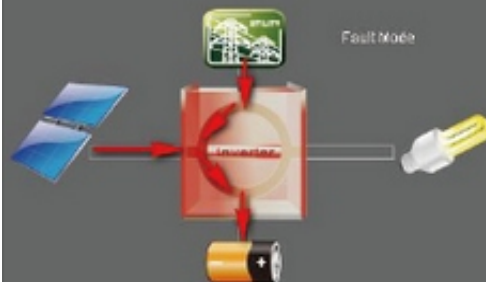
Line Mode



Battery Mode



Fault Mode



AFRI-POWER Remote

The integrated LCD display shows all relevant data and operating states of the system.

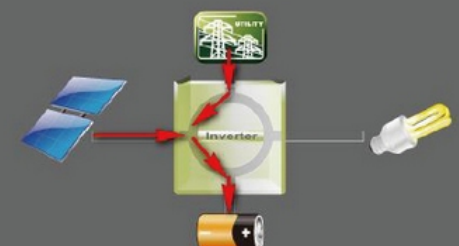
If desired, the operating mode can also be changed here manually.



Power on Mode



Standby Mode



KRENTZEL GMBH

Headquarter

Development, design, manufacture

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