elektrolab
POWER SOLUTION

INVERTERS 1, 2, 3, 5 kVA

ON LINE / OFF LINE

INPUT 24, 48, 110 VDC

- Efficiency >88%
- Communication RS 485, optionally LAN, optionallyUSB
- Event Log
- Hot-swap technology
- Compact design
- By-pass

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Inverters are available in different versions depending of input DC voltage 24V, 48V or 110V. Output is pure SINE wave AC voltage 230V /50 Hz.

The device can work either on on-line or off-line mode.

The inverter has the connection for the mains, which allows him to work in off-line mode, while the output voltage is stabilized. This is a very important feature because with it inverter is reducing the load on the inverter transformer.

Inverters are designed to power different equipment in a electric facilities, water supply, telecommunications....

The device can be placed in a rack enclosure inside the cabinet, for models which can also support replacement of inverter without interruption (hot-swap). Within cabinet, there is up to five outputs to consumers in each output circuit has one automatic circuit breaker.

The front panel of the alpha-numeric display to show:
- Input / output voltage.
- Input / output frequency.
- Output in VA and the output load current in A.
- Number of Mains interruption.
- The value of the battery voltage.
- Inverter status (battery powered or online).

Protection of:
- Overheating.
- Overload.
- Short circuit at the output.
- High or low voltage on DC circuit and the AC input-output.

Restart function:
- When battery DC voltage appear
- When mains AC voltage appear.

Possible setting of the following parameters:
- Minimum output AC voltage below which an alarm occurs
- Maximum output AC voltage above which an alarm occurs
- The minimum DC input voltage below which inverter turns off
- Maximum input DC voltage above which inverter turns off
- Max. DC input voltage for restart function
- Min. DC input voltage for restart function
- On-line or off-line mode

Memory (Event Log):
- Log all alarms that occur.

By-pass:
- Automatically in case of fault occurrence- consumers are instantly transfer to mains voltage.
- Manually with hand switch (valid for hot-swap option in the closet).

AC output voltage is completely electrically isolated to DC voltage in any mode of work: mains or battery voltage.

Inverters are made for output power:
1000 VA
2000 VA
3000 VA
5000 VA

Efficiency:> 88%
Communication:
- RS 485.
- LAN optionally.
- USB.