general

The control panel on **Galaxy PW™** UPSs comprises the basic controls and indications required to check the general status of the system (see figure 14).

Located in the upper right part of the cabinet front, the control panel is designed to provide an easy and rapid overview of system status (see figure 14).
Interpretation of symbols is very simple and requires no particular training. The information concerns only the cabinet on which the panel is located.
The panel indicates:
■ normal operation (load protected);
■ operation with load on battery power;
■ abnormal situations (operating problem);
■ dangerous situations (load not protected).

indications

See figure 14.

"Rectifier/charger" light 1

■ light off: rectifier/charger OFF;
■ light shines green: rectifier/charger ON;
■ light shines red: rectifier/charger fault, the stored alarm indicates one or several of the following faults:
❏ input circuit breaker Q1 open,
❏ protection fuse at the rectifier/charger input (FUE) blown,
❏ abnormally high internal rectifier/charger temperature,
❏ abnormally high battery charge current,
❏ abnormally high battery voltage,
❏ fault, non-calibration or non-personalization of the electronic control board for the rectifier/charger,
❏ fault on the electronic power-supply board,
❏ abnormally high temperature in the harmonic filter inductor.

"Battery light" 2

■ light off: battery float charging;
■ light flashing green: battery recharging;
■ light shines green: load on battery power;
■ light flashing red: low-battery shutdown warning;
■ light shines red: battery at end of back-up time and circuit breaker QF1 open, or battery fault.

"Static-bypass" light 3

■ light off: bypass AC source within specified tolerances and static bypass open;
■ light shines green: static bypass closed;
■ light shines red: the stored alarm indicates one or several of the following faults:
❏ bypass AC source voltage or frequency outside specified tolerances,
❏ static-bypass fault,
❏ abnormally high internal static-bypass temperature,
❏ static-bypass ventilation fault,
❏ power-supply fault for the static-bypass control function,
❏ fault on the electronic board controlling the transfer function,
❏ non-calibration or non-personalization of the electronic control board for the inverter,
❏ fault on the electronic power-supply board,
❏ fault on monitoring the "inverter ready" response channels (parallel UPS system).

"Inverter" light 4

■ light off: inverter OFF;
■ light flashing green: inverter starting, inverter ON but not connected to the load;
■ light shines green: normal inverter operation;
■ light shines red: inverter fault, the stored alarm indicates one or several of the following faults:
❏ inverter shutdown due to inverter output voltage outside specified tolerances,
❏ protection fuse at the inverter output (FUS) blown,
❏ abnormally high inverter-output transformer temperature,
❏ abnormally high inverter temperature,
❏ output-voltage fault (amplitude or phase) (parallel UPSs),
❏ fault, non-calibration or non-personalization of the electronic control board for the inverter,
❏ fault on the electronic power-supply board.

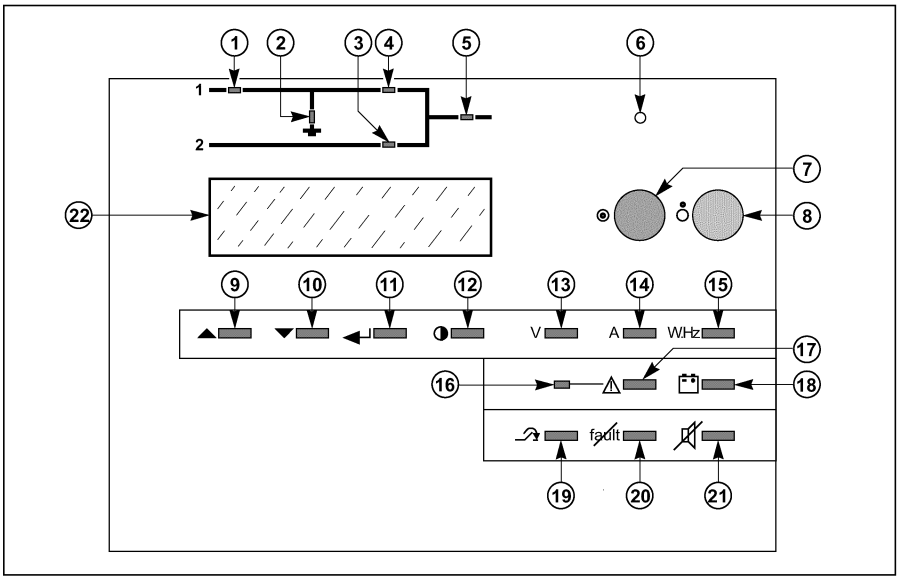

Fig. 14

"Load" light 5

■ light off: load not supplied;
■ light shines green: load supplied via the inverter or the bypass AC source (via the static bypass).

Buzzer 6

The buzzer sounds in the following situations:
■ load supplied by the bypass AC source;
■ load on battery;
■ operating problems.
It sounds slowly and discontinuously for a minor problem or when the inverter is on battery power.
When the alarm "LOW BATTERY SHUTDOWN" is activated, the buzzer sounds more rapidly. Finally, if the inverter shuts down, the beep is loud and continuous.
The buzzer may be reset by pressing a button. If the buzzer is reset, a higher level alarm will set it off again.

"Inverter ON" button 7

This button is used to start the inverter locally.

"Inverter OFF" button 8

This button turns the inverter off locally.

Keys 9 and 10

These keys are used to select commands in the main menu and access the secondary messages.

Key 11

This key is used to validate the user's choice.

Key 12

This key is used to access the main menu: display language, display-contrast setting, sound level of the buzzer, lamp test, date and time settings, inverse-video and event log.

"V" key 13

This key is used to access voltage measurements:
■ normal AC source phase-to-phase voltages;
■ bypass AC source phase-to-phase and phase-to-neutral voltages;
■ load phase-to-phase and phase-to-neutral voltages.

"A" key 14

This key is used to access current measurements:
■ normal AC source, bypass AC source and load currents;
■ percent load;
■ load crest factor.

"W.Hz" key 15

This key is used to access other measurements:
■ normal AC source, bypass AC source and inverter frequencies;
■ level of active and apparent power drawn by the load;
■ load power factor;
■ inverter load level (percent).

"Anomaly" indicator light 16

This indicator light indicates the presence of anomalies.

key 17

This key is used to access the primary messages.

"Battery" key 18

This key is used to access battery measurements:
■ battery voltage (or the DC voltage on frequency converters without a battery);
■ battery current (charge or discharge);
■ battery temperature;
■ available battery backup time;
■ inverter load level (percent).

"Forced-transfer" key 19

This key is used to voluntarily transfer the load to the inverter or from the inverter to the static bypass (return transfer). Transfer and return transfer are carried out only following confirmation requested by the system display and a warning as to the risk of an interruption in the supply of power to the load.

"Alarm reset" key 20

This key is used to reset stored alarms. The system accepts resetting only when alarms have been cleared.

"Buzzer reset" key 21

This key is used to stop the buzzer. However, new alarms set the buzzer off again.

Display 22

The display continuously indicates the system operating status.