

Automatic battery charger

CH-105


The CH-105 automatic battery charger operates with single-phase mains of 50-60 Hz 110/220 VAC or 24 VDC, depending on the design. It is used to charge different storage batteries automatically, providing a max output power of 600 W and an output to connect load.

The unit is equipped with a built-in control and indication panel to set the charging modes and display the storage battery status. The CH-105 can be optionally equipped with the external control panel BCP-136.

Install in a dry environment (IP22). The device has a reverse polarity protection of the main power and storage battery, and a current overload protection. Deep discharge and overheat protection are optional (provided that the thermal sensor DTS-135 is used).

TECHNICAL CHARACTERISTICS

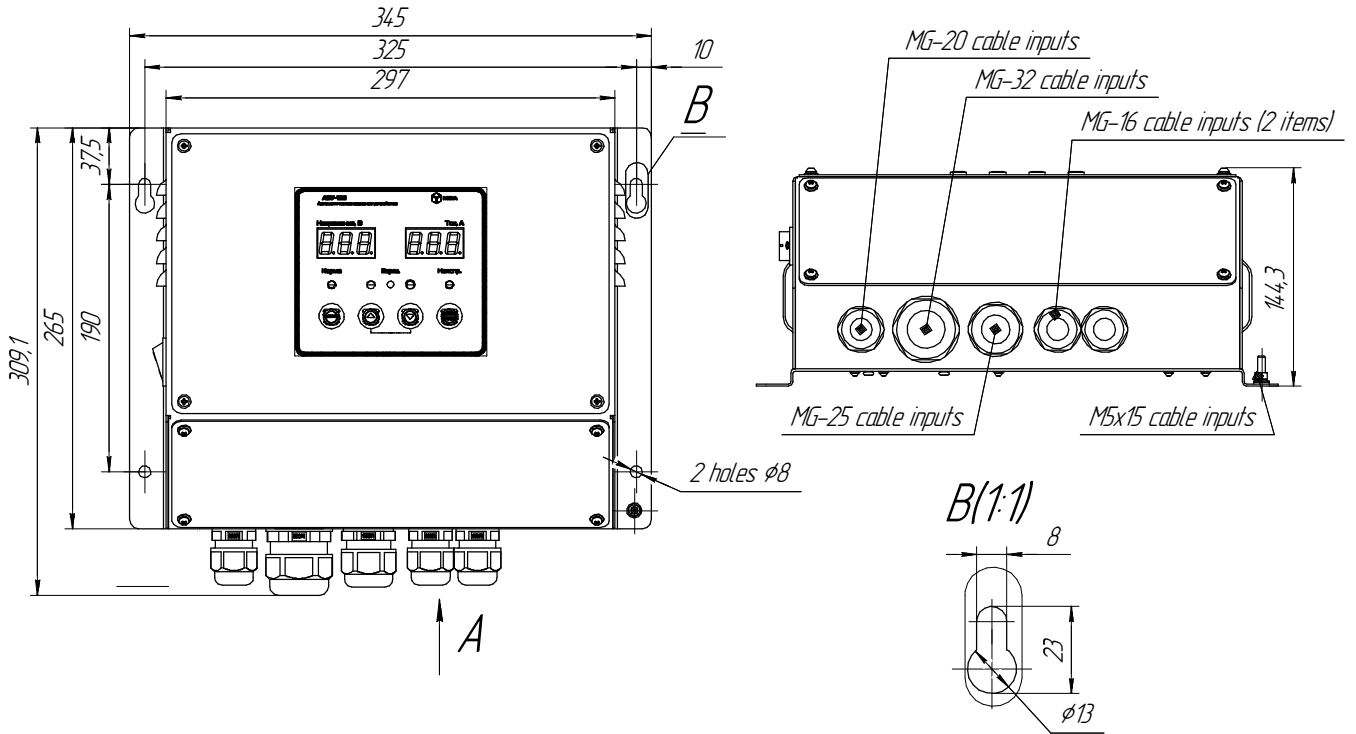
Electrical characteristics					
Design	CH-105	CH-105-24	CH-105-2412A	CH-105-110 VDC	CH-105-220 VDC
Power supply voltage	~110/220 V, 50/60 Hz	24 VDC (19...72 V)		110 VDC	220 VDC
Maximum output power	600 W	500 W	350 W	500 W	420 W
Charge current	1...20 A	1...16 A	1...12 A	1...16 A	1...14 A
Charge voltage	9...30 VDC (to charge 12/24 V battery)				
Standard capacity of charged batteries	40-200 A·h	40-160 A·h	40-120 A·h	40-160 A·h	40...140 A·h

General characteristics	
IP rating	IP 22
Storage temperature	-60...+70°C
Operating temperature	-15...+55°C
Weight	7 kg

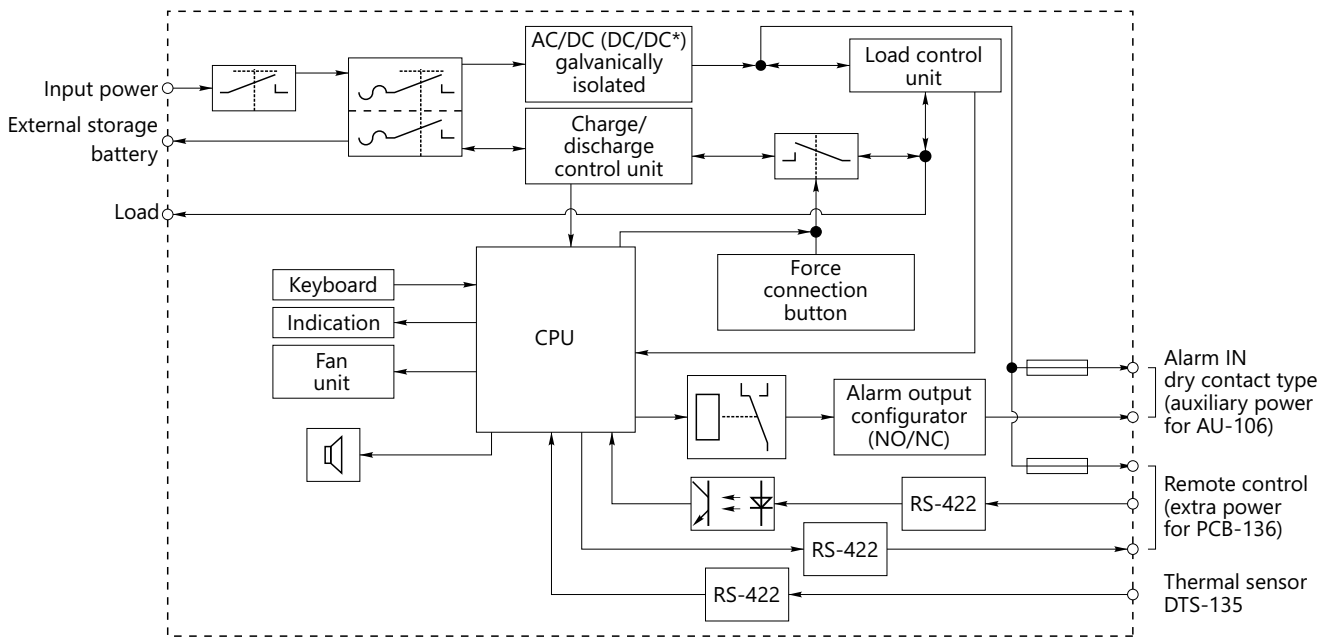
Built-in protection:

- reverse polarity;
- power loss;
- excessive current in battery circuit (overload / short-circuit);
- reverse polarity battery connection;
- deep discharge (optional);
- overheating (combined with the thermal sensor DTS-135).

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CH-105 dimensional drawing



*Design with DC input is optional

CH-105 functional diagram