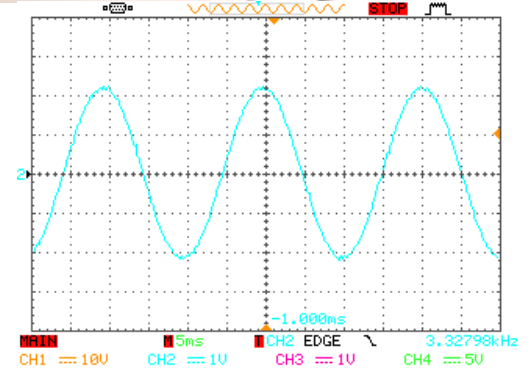
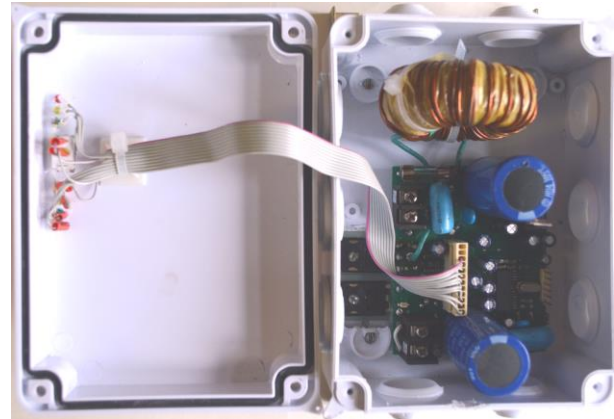


### 3.12. INVERTER 4.0 KW

The inverter is intended to convert DC voltage from RES or batteries of 350...410V into a single-phase variable 220V/50Hz.

#### *Specifications, competitive advantages:*

- high efficiency – 95%;
- input voltage - 350... 410V of DC (direct connection to RES / batteries or through a step-up converter);
- ability to work in stand-alone and network modes;
- output voltage -  $220 \pm 5\% \text{ V} / 50\text{Hz}$  in a stand-alone mode and  $220 \pm 15\% \text{ V} / 50\text{Hz}$  in network mode;
- maximum output power - 4.0 kW (20A, 220V, 50Hz) in both stand-alone and network modes;
- operating temperature range – from  $-10^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ ;
- degree of enclosure protection – IP55;
- overvoltage (undervoltage), short circuit, and overheating protection;
- indication of input and output parameters (voltage, current and emergency situations);
- dimensions (W x L x H) – 160 x 160 x 100 mm;
- absence of cooling fan, which significantly reduces the operating noise and increases operational reliability.



**Oscillogram of the output current**