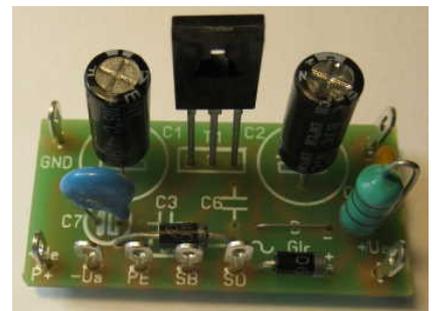
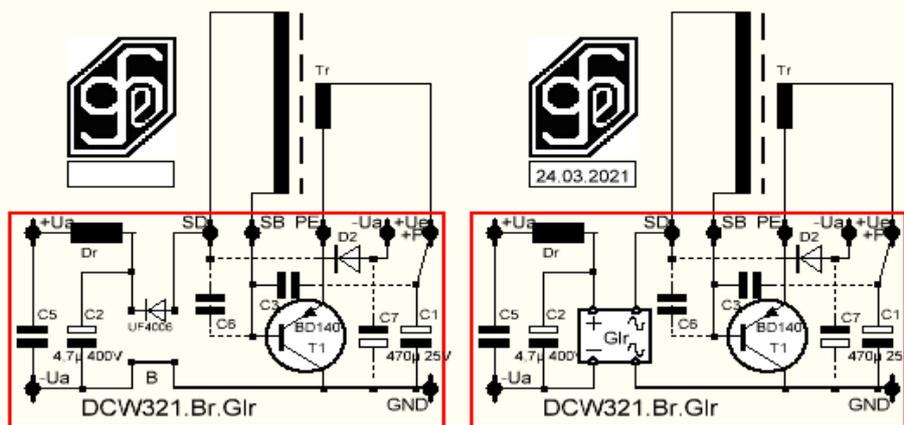
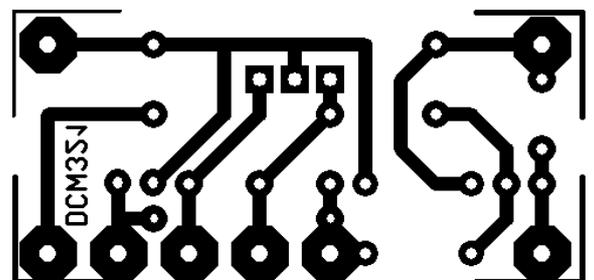
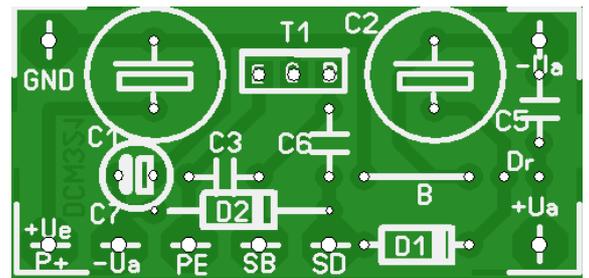
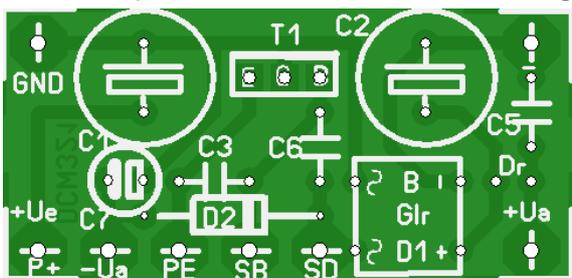


# Universal print for DCW321

This print is the successor to the [DCW319](#). It is a little larger, 42 x 20mm, but has several uses: **The diode rectification.** Instead of the bridge rectifier Glr, the diode D1 is to be used and the bridge B to be set. The common GND for input and output voltage is retained. If the converter is to be used for an artificial anode battery, the use of chokes Dr and C5 can reduce the interference frequency of the converter. The converter has an automatic on-off function, it only works when there is a load at the output. However, it should be noted that at high output voltages over 150V and higher loads in the secondary winding, high negative voltages of over 1kV are generated and the winding can be destroyed by flashover. If a low loadable negative output voltage  $-U_a$  is required, D2 and C7 can be fitted. The negative output voltage must be limited with a Zener diode of your choice. With the capacitors C3 and C6, the efficiency can be improved and deteriorated. The most favorable capacity must be determined by trial. These capacitors also affect the working frequency of the converter



**With bridge rectifier.** The bridge rectifier DF06M prevents a high negative voltage in the secondary winding because the negative component is converted into a positive voltage and  $+U_a$  is added to the output voltage. A common GND for the input and output voltage is not possible. The automatic on-off function does not work in this operating mode. If a low loadable negative output voltage  $-U_a$  is required, D2 and C7 can be fitted. The negative output voltage must be limited with a Zener diode of your choice. With the capacitors C3 and C6, the efficiency can be improved and deteriorated. The most favorable capacity must be determined by trial. These capacitors also affect the working frequency of the converter.



Professionally manufactured prints (42 x 20mm) unpopulated are available. No discount possible.

**Price per piece: 1.30 €**