

The invention relates to the field of electric-arc welding and can be used for power supply of electric-arc welding units from the low-power electrical supply network.

The electric-arc welding unit comprises a rectifier (1), a filter (2), a pulse charging unit (3), a storage battery (4) and a voltage converter (5), connected in series. The unit further comprises a welding current control block (6), having one output connected to one control input of the pulse charging unit (3), and the other output – to the control input of the voltage converter (5), as well as a storage battery charge controller (7), having its input connected to the storage battery (4), and the output – to another control input of the pulse charging unit (3), at the same time the storage battery (4) is selected with a capacity, allowing the full electric power supply of the welding arc.

Claims: 1

Fig.: 2

