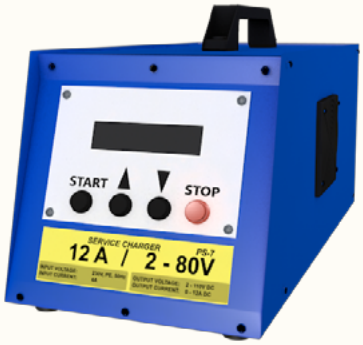
USER MANUAL FOR PS7



▶ SERVICE CHARGER PS7 (12A/80V)

The service charger is designed for regeneration and commissioning of deeply discharged batteries with voltages from 2 V to 80 V. The charging current is adjustable from 0 to 12 A.

The service charger should be connected to the 230V power line, PE with the capacity of the minimum of 6A.
The battery which is to be charged should be attached to the service charger with appropriate +/- polarity.

The display will show:

CHARGER PS7 12A / 80V V1.0

CHECKING BATTERY VOLTAGE .....

a sample - actual value

BATTERY 079,3V CONNECTED

or

if a battery is not properly connected
or if it is not connected at all

BATTERY NOT CONNECTED

Press the START button.
The display will show:

HAND PROFILE I(t)

and then after ca. 2 seconds

SET CURRENT: 07,4A CHARGING

▲▼ change the value from 0.0 to 12.0 by means of buttons

Press the START button.
The display will show:

TIME : 00 : 30 : 00 CHARGING

change the value from 00:00:00 to 99:99:00 by means of buttons ▲▼

Press the START button - to activate the charging current.
The display will show:

U:079,8V	I:07,4A
Q:000Ah	00 : 00 : 05

sample values

After the set time is over, the charging current will be turned off and the time counter will be stopped.
The display will show:

U:082,3V	I:07,4A
Q:003Ah	00 : 30 : 00

sample values

Press the STOP button.
The display will show:

END OF CHARGING
BATTERY ?

By pressing the START button it is possible to return to a previous screen - also during the charging process.
Press the STOP button. , The display will show:

CHECKING BATTERY
VOLTAGE .....

and then

a sample - actual value

BATTERY	079,3V
CONNECTED	

State of emergency - overheating of the charger
The display will show:

U:082,3V	<<TEMP.
Q:003Ah	00 : 30 : 00

check the cause of the overheating of the charger

When the battery voltage is ca. 90V, the charging current will be decreasing - it will not reach the 12A value - and it will be decreasing along the increase of the charging battery voltage, its value will also depend on the value of the 230V power supply voltage.

NOTE!
The service charger should be connected to the battery in a reliable way - so that an uncontrolled disconnection does not occur during the charging process.
The uncontrolled disconnection and subsequent re-connection (bad contact) may cause blowing of the charger output fuse or damaging of high voltage power elements.