

SMP 120/10 SERVICE CHARGER AND POWER SUPPLY UNIT



- Adjustable service charger and power supply unit
- For all types of batteries
- Processor controlled

SMP

SMP



- Power supply from 0–120V and 0–10A, max 800W
- Dissolves lead sulphate in sulphated batteries
- Can save batteries which have been left discharged for a long period of time
- Stepless voltage limiting
- Stepless current limiting
- Can simulate a battery when inspecting a charger
- Can assist the charger when battery voltage is too low
- Voltage and current levels are shown on separate displays

General

SMP has been developed to meet the need of an efficient, small and light power supply unit. It is equipped with voltage (V) and current (A) displays. See the picture above. The rubber edges make the unit very robust, protects the unit from impacts and prevents it from sliding on underlying surfaces.

Voltage and current can easily be adjusted using the two potentiometers on the front. The two digital displays show voltage and current under load. The settings are shown by pressing the “SET” button.

A processor controls the power supply and a cooling fan prevents overheating. The speed of the fan is controlled to ensure low noise operation. The unit is protected against short circuit and reverse polarity. A second unit (non-adjustable) can be connected in parallel (master-slave) if more current is required.

The unit is fitted with an illuminated mains power switch and a mains power connector for earthed and unearthed sockets.

Areas of usage

SMP can be used in battery workshops, to remove lead sulphate from batteries which have been deeply discharged or which have not been charged for a long time. The low weight (1.6 kg) and small dimensions makes this unit perfect for service workshops and for service technicians who work with batteries, chargers and forklift trucks.

Technical data for SMP 120/10

Primary voltage:	220–240V, 45–65Hz
Power consumption:	max 4,5A
Power factor:	~1 (PFC)
Max. output current:	10A
Max. output voltage:	120V
Max. output power:	800W
Max. ripple out:	30mV RMS
Efficiency:	> 86%
Switching frequency:	> 100kHz
Cooling:	Temperature controlled fan
Weight:	1,6 kg
Dimensions:	258 x 136 x 89 mm
IP class:	IP20

The right to make changes without prior notice is reserved.

Cables:

Primary cable with contact EU, length 1.5 m

Secondary cables: Set of laboratory cables.

MICROPOWER GROUP PRESENTATION

Micropower is an independent manufacturer of industrial battery chargers. The head office of Micropower E.D. Marketing AB is located in Växjö in the southern part of Sweden.

The company started in 1984 and is today the market leader of battery chargers for lift truck applications in Northern Europe.

The Micropower group has the great advantage of vertical integration, having control of all the major steps of the production process from winding the transformers, the production of the printed circuit boards, to the testing of the product, ready to be delivered to a customer, which are found all over the world.

Micropower ED Marketing AB is certified according to ISO 9001 and ISO 14001.

The Micropower group consists of the following companies:

Parent company:

Micropower Invest AB

Subsidiary companies:

Micropower E.D Marketing AB
SEIAB, Smålands Elektronik AB
Primepower AB
Powerfinn Oy
Micropower Fastighets AB
HF SM Power Innovations AB
Ecotec Limited
Micropower Shanghai Ltd



MicroPower E.D. Marketing AB
Idavägen 1
SE-352 46 VÄXJÖ
SWEDEN

Tel. +46 (0)470-72 74 00
Fax. +46 (0)470-72 74 01

sales@micropower.se
www.micropower.se