GNB
INDUSTRIAL POWER
A Division of Exide Technologies

# Microcomputer-controlled charger and power supply

## SMP


*»We store the world's energy«*

Motive

# SMP

## Microcomputer-controlled charger and power supply

> For all types of batteries
> Power supply from 0–120 V and 10 A
> Disulphate sulphated batteries
> Can save batteries that have been discharged for a long time
> Freely adjustable voltage limit
> Freely adjustable current limit
> Can simulate a battery when fault finding on a charger
> Assist to start charger when battery is deeply discharged
> Voltage and current levels to be read from separate clear displays

**General**

SMP is developed for the need of a small and light power supply. It is equipped with digital displays for vol-tage (V) and current (A). Rubber covered edges makes it very robust and protects against physical impact and from slipping on a surface.

Voltage and current are easily adjusted by the two individual potentiometers at the front. The two digital displays show voltage and current levels under load. By pressing the “SET” button the adjusted values will be shown.

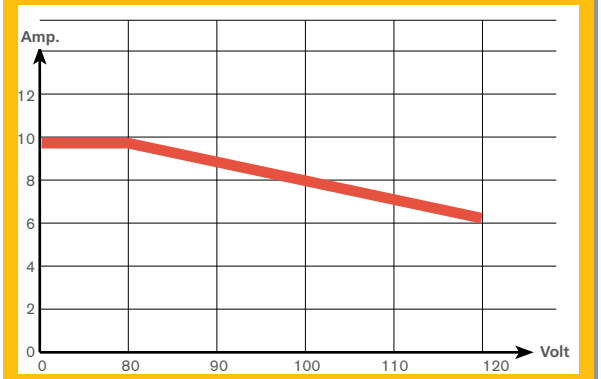
A microprocessor controls the mains supply and takes care of the charger´s cooling. A cooling fan starts on demand and will protect from overheating. The fan is RPM controlled to ensure quite operation. The secondary side is protected from short cicuit an wrong pola-rity with a fuse. If higher current is needed, a second slave unit can be parallel connected.

The SMP is equipped with a illuminated mains switch and a mains cable for connection to both earthed and unearthed sockets.

**Areas of use**

SMP can be used in a battery workshop to disulphate batteries that has been deeply discharged or not charged for a long time. Thanks to the low weight (1.6 kg) and small dimensions it is also very useful in service workshops and by service technicians who works with batteries, chargers and forklift trucks.

**SMP 120/10**




| Technical specification | SMP 120/10 |
|---|---|
| **Mains supply:** | 50–255 V, (50–200 power limited), 45–65 Hz |
| **Current draw:** | max 4,5 A |
| **Power factor:** | ~1 (PFC) |
| **Max. current:** | 10 A |
| **Max. voltage:** | 120 V |
| **Max. power:** | 800 W |
| **Max. ripple out:** | 30 mV RMS |
| **Efficiency:** | > 86% |
| **Frequency:** | > 100 kHz |
| **Cooling:** | Temperaturstyrd fläkt |
| **Weight:** | 1,6 kg |
| **Dimension:** | 258 x 136 x 89 mm |
| **Protection:** | IP20, (Electrically II, with or without earth) |
| **Cables:** | One set of laboratory cables is included |

Service chargers 12V/50A, 36V/30A, 54V/20A and 72V/15A are also available.

**Characteristics**

At least 200 V main supply is needed for full power of 800 W.

Motive

GNB INDUSTRIAL POWER

**Exide Technologies**, der har aktiviteter i mere end 80 lande og over 120 års erfaring, er en af verdens største virksomheder inden for produktion og genanvendelse af blysyrebatterier. Virksomheden udvikler avancerede energilagringsløsninger til både automobilbranchen og industrien generelt. Førende producenter af biler, lastbiler og gaffeltrucks har endvidere valgt Exide Technologies som deres OEM-leverandør. Exide leverer også etablerede og velkendte varemærker til eftermarkedet.

Exide Transportation producerer batterier til både lette køretøjer og erhvervskøretøjer samt til landbrugssektoren, marinsektoren og fritidssektoren. Industrial-markedet, der hører under divisionen **GNB Industrial Power**, omfatter effektive energilagringsløsninger til Motive Power-applikationer som f.eks. gaffeltrucks, rengøringsmaskiner og andre elektriske køretøjer, der anvendes i industrien, samt Network Power-applikationer som f.eks. telekommunikationssystemer, vedvarende energianlæg og UPS-anlæg.

Exides ingeniører og teknikere har altid været helt i front, når det gælder udvikling af nye teknologiske løsninger. Exides ISO-/TS-certificerede fabrikker er en garanti for, at produkterne er fremstillet så effektivt som muligt, og at de opfylder de højeste kvalitetskrav samtidig med, at de belaster miljøet mindst muligt.

Exides store salgs- og distributionsnetværk står for kvalitetsservice og levering til aftalt tid. Virksomhedens topmoderne genvindingsanlæg sikrer, at batterierne genanvendes, og yder dermed et positivt bidrag til miljøet. Exide tilbyder også diverse ydelser, tilbehør og energirådgivning.

- Batterifabrikker
- Genvindingsanlæg
- Distributionscentre
- Europæisk hovedkontor
- Salgskontorer

Alle batterifabrikker er certificeret i henhold til ISO 9001
Alle startbatterifabrikker er certificeret i henhold til ISO/TS 16949
Alle batterifabrikker er certificeret i henhold til ISO 14001

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EXIDE TECHNOLOGIES | POWERING THE WORLD **FORWARD**

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