



# Switch Mode Power Supplies

## 1201SM-1, 1202SM-1, 1203SM-1, 1205SM-2, 2402SM-2 & 2405SM-2



- Utilises efficient switch mode technology
- Regulated DC output
- Integral short circuit protection
- Deep discharge Protection
- Full current to load facility

# Description

## ■ Application

A comprehensive range of switch mode power supplies complete with space for battery back up, for use in intrusion systems, access control systems and any other system that may require a regulated DC output complete with battery back up.

## ■ Features

This range of power supplies have a mild steel enclosure that is powder coated to protect the enclosure from environmental conditions and has vents to assist with heat dissipation. The enclosures have pre-drilled holes for rear cable access, cable securing locations, top & bottom cable access points complete with rubber grommets and a top key-hole loactor & two pre-drilled holes for securing the enclosure to a wall.

The front fascia of the enclosures have securing screw at the top of the enclosure and external indications to determine the exact status of the power supply, refer Table.1

All of the switch mode power supplies have resettable current limiting devices, with the only replaceable fuse being the mains input fuse.

<b>LED Indicators (Battery Connected)</b>			
<b>Green LED</b>	<b>Yellow LED</b>	<b>Red LED</b>	<b>Condition</b>
On	Off	Off	Status normal
Off	Off	Off	AC failure
Pulse	Of	Off	Excessive load
On	On	Off	Battery reverse polarity
Pulse	Off	On	Output short circuit
Off	Off	On	Battery low voltage
<b>LED Indicators (Battery Not Connected)</b>			
Off	Off	Off	Output short circuit

Table.1

The local national standards relating to electrical installation and safety must be consulted with regard to the installation of this power supply.

## ■ Technical specification

Type	1201SM-1	1202SM-1	1203SM-1	1205SM-2	2402SM-2	2405SM-2
Supply voltage	190 – 265 V AC @ 50 – 60 Hz					
Load Voltage	13.8V DC	13.8V DC	13.8V DC	13.8V DC	27.6V DC	27.6V DC
Load Output	1.0A	2.0A	3.0 A	5.0 A	2.0 A	5.0 A
Max rated DC Output	1.5A	2.5A	3.5A	5.5A	2.5A	5.5A
Battery Capacity	1 x 7.2 Ah	1 x 7.2 Ah	1x 7.2 Ah	1 x 15Ah	2 x 7 Ah	2 x 7 Ah
Tamper contact	Front cover N/C rated at 30V DC 0,1A					
Dimensions (h x w x d)	225 x 220 x75	225 x 220 x 75	225 x 220 x 75	310 x 340 x 80	310 x 340 x 80	310 x 340x80
Ambient conditions	<ul style="list-style-type: none"> <li>• Operation temperature -40°C - +20°C</li> <li>• Storage temperature -10°C - +30°C</li> <li>• Humidity (DIN40040) 10 - 90 % RH</li> <li>• Housing protection EN60529, EN50102 IP50</li> </ul>					
Approvals	EN55011 & EN55022					

## Options

### ■ Description

AB... range of maintenance free sealed lead acid batteries.



## ■ Technical specification

Type	Art.-No.	Description	Weight
AB1201-2	S54545-Z120-A100	Battery 12 V / 1.2 Ah	0.570 kg
AB1202-0	S54545-Z121-A100	Battery 12 V / 2 Ah	0.800 kg
AB1207-2	S54545-Z122-A100	Battery 12 V / 7.2 Ah	2.430 kg
AB1212-0	S54545-Z123-A100	Battery 12 V / 12 Ah	3.730 kg
AB1215-0	S54545-Z124-A100	Battery 12 V / 15 Ah	5.900 kg

## ■ Ordering Information

Type	Art.-No.	Description	Weight *(1)
1201SM-1	S54545-Z143-A100	12 volt, 1.0Amp power supply	1.59 kg
1202SM-1	S54545-Z144-A100	12 volt, 2.0Amp power supply	1.59 kg
1203SM-1	S54545-Z145-A100	12 volt, 3.0Amp power supply	1.59 kg
1205SM-2	S54545-Z146-A100	12 volt, 5.0Amp power supply	2.90 kg
2402SM-2	S54545-Z147-A100	24 volt, 2.0Amp power supply	2.90 kg
2405SM-2	S54545-Z148-A100	24 volt, 5.0Amp power supply	2.90 kg

\*(1) – Weight excludes battery

The information in this document includes general descriptions of the technical possibilities, which need not be installed in each individual case. The desired performance characteristics must therefore be specified for the individual case when the contract is concluded.

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