

1202SM-1 & 1205SM-2

Switch mode power supplies

VANDERBILT



Key Features include:

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

1202SM-1 & 1205SM-2

Switch mode power supplies

VANDERBILT

Description

■ Application

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

■ 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 locator & two pre-drilled holes for securing the enclosure to a wall.

The front fascia of the enclosures has 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.

LED Indicators (Battery Connected)			
Green LED	Yellow LED	Red Led	Condition
On	Off	Off	Status Normal
Off	Off	Off	AC Failure
Pulse	Off	Off	Excessive Load
On	On	Off	Battery reserve polarity
Pulse	Off	On	Output short circuit
Off	Off	On	Battery low voltage
LED Indicators (Battery Not Connected)			
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.

VANDERBILT

1202SM-1 & 1205SM-2

Switch mode power supplies

VANDERBILT

Options

Type	1202SM-1	1205SM-2
Supply Voltage	190 – 265 V AC @ 50 - Hz	
Load Voltage	13.8V DC	13.8V DC
Load Output	2.0A	5.0A
Max rated DC Output	2.5A	5.5A
Battery Capacity	1 x 7.2 Ah	1 x 15 Ah
Tamper contact	Front cover N/C rated at 30V DC 0, 1A	
Dimensions (h x w x d)	225 x 220 x 75mm	310 x 340 x 80mm
Ambient conditions		
■ Operation temperature	-40°C - +20°C	
■ Storage temperature	-10°C - +30°C	
■ Humidity (DIN40040)	10 – 90 % RH	
■ Housing protection	IP50	
Approvals	EN55011 & EN55022	

Description

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



VANDERBILT

© Vanderbilt 2016

1202SM-1 & 1205SM-2

Switch mode power supplies

VANDERBILT

■ Technical specification

Type	Art.-No.	Description	Weight
AB1201-2	N54545-Z120-A100	Battery 12 V / 1.2 Ah	0.570 kg
AB1202-0	N54545-Z121-A100	Battery 12 V / 1.2 Ah	0.800 kg
AB1207-2	N54545-Z122-A100	Battery 12 V / 7.2 Ah	2.430 kg
AB1212-0	N54545-Z123-A100	Battery 12 V / 12 Ah	3.730 kg
AB1215-0	N54545-Z124-A100	Battery 12 V / 15 Ah	5.900 kg

■ Ordering Information

Type	Art.- No.	Description	Weight *(1)
1202SM-1	N54545-Z144-A100	12 volt 2.0Amp power supply	1.59 kg
1205SM-2	N54545-Z146-A100	12 volt, 5.0Amp power supply	2.90 kg

*(1) – Weight excludes battery