

## VARIODYN D1

Emergency power supply PSU 24V-2

### Application

The emergency power supply serves as secondary power source for the VARIODYN D1 in the event of a mains power failure. This PSU only takes 1 HU of rack space providing 6 connections for power amplifier (24 V/30 A) and 2 connections (24 V/5 A) for control units.

This emergency power supply is certified to EN 54-4 and compliant to EN 60849 and EN 50849.

Maintenance software is available with this power supply that allows configuration of the unit with a standard windows PC via the USB connector on the front. Additionally access to the PSU can be achieved with an Ethernet Interface (581724 only) so that the emergency power supply can be monitored and interrogated remotely. Without connecting a PC, a LCD display shows the emergency power supply parameters as well as error codes and supports to configure the system without PC.

The units sophisticated electronics provide battery balancing function which allows equalized charging of the batteries (each at 12 Volt) to their maximum. This function will also aid extended battery life cycle.

The maximum charging capability is 16 A with a maximum battery capacity of 320 Ah in two battery banks (two times two 12 Volt batteries).

The unit works at a single 230 Volt / 50 Hz main power phase with fault output relay. Additional relay outputs for battery and general fault are also provided.

The voltages, currents and temperatures (internal and battery) are measured digitally, the batteries are protected against overload and low discharge. It is possible to test the state of output fuses and detection of the low and high voltage of the connected battery as well as battery circuit break.



## FEATURES & BENEFITS

- High battery capacity support up to 320 Ah
- High power output of up to 186 A max.
- Battery balancer function
- EN 54-4 Certified
- CE and ROHS conformity

TECHNICAL DATA	
RATED VOLTAGE	230 V AC
RATED FREQUENCY	50 ... 60 Hz
BATTERY CAPACITY	max. 320 Ah
OUTPUT CURRENT	max. 186 A
AMBIENT TEMPERATURE	-5 °C ... 40 °C
STORAGE TEMPERATURE	-40 °C ... 85 °C
WEIGHT	approx. 5.2 kg
DIMENSIONS (W X H X D)	W: 483 mm H: 45 mm D: 328 mm
ORDER INFORMATION	
	PART NO.
EMERGENCY POWER SUPPLY PSU 24V-2	581722
EMERGENCY POWER SUPPLY PSU 24V-2 NET	581724
ACCESSORIES	
BATTERY FOR EMERGENCY POWER SUPPLY 12 V / 105 AH	581730
BATTERY FOR EMERGENCY POWER SUPPLY 12 V / 150 AH	581731

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