

VARIODYN® D1 Emergency Power Supply 24 V / 12 Ah - 150 Ah

- Continuous monitoring of fuses
- Monitoring of battery charging current
- Control of battery discharge status
- LED indicators for power, battery, load output
- Temperature sensor
- Potential-free contacts for power, battery, load output
- 19" model, 3 height units (HU)
- Battery capacity up to 2 x 12 V / 150 Ah
- EN 54-4 (A2) approved, CPD number: 0333-CPD-075243



Application

The emergency power supply serves as a secondary power supply for the Variodyn® D1.

Output voltage

- 24 V DC
- Stabilized output voltage with enhanced filtering
- Short circuit-proof

Easy installation

- High-performance connections
- 2 load outputs
- Pluggable connections for remote info reports

Security monitoring

- Permanent monitoring of all fuses (power, load output and battery fuses)
- Continuous monitoring of the batteries
- Monitoring of the battery charge state
- Monitoring of the battery charging current

Communication

- LEDs on the front: Power, battery, load output
- Remote indicator via potential-free contacts: Power, battery
- 1 "ON" LED

Easy operation

- Modern, sleek design
- Status LEDs on the front
- Noiseless



Technical data
Input

Voltage	230 V single phase $\pm 15\%$
Frequency	50 / 60 Hz
Grounding method	TT, TN, IT
Class	1
Starting current	limited to 30 A
Primary current	< 3.2 A
Power efficiency at rated load	> 80 %

Output

Nominal voltage	24 V
Floating potential (U_n) at half load and 25 °C	27.2 V $\pm 2\%$
Output current I_n and max. peak current	12 A / 100 A
Current limiting – short-circuit current	From I_n to $I_n + 15\%$ at output voltage > 50 % from U_n .
Battery current (charging)	Limited to 75 % of I_n
Eff. Residual ripple, low frequency	< 0.2%
Output voltage regulation	< 0.5%
Battery power consumption without mains power	650 mA @ 24 V

General technical data

Operating temperature	-5 °C ... +40 °C (at 100 % load) -5 °C ... +50 °C (at 75 % load)
Storage temperature	-25 °C ... +85 °C
Rel. humidity	during 20 ... 85 % operation, noncondensing
Weight	10 kg
Dimensions (W x H x D)	482 x 133 x 395 (3 HU)

Order information
Part No.

Emergency power supply 24 V / 12 A - 100 A	581720.VD (available in Variodyn® design as of Q2 / 2011)
Battery for emergency power supply 12 V / 105 Ah	581730
Battery for emergency power supply 12 V / 150 Ah	581731

Additional order information can be found in the "Voice Alarm Systems" product group catalog.