

VESMOD24 24kVA Power Cabinet



The Ventilux VES series of Static Inverters are designed specifically for the most challenging of emergency lighting applications and are fully in compliance with EN50171, EN50272-2, BS5266, IS3217 and ICEL1009. Providing capacity up to 24kVA, the Ventilux range of Inverters is designed to provide a Static Inverter with all the flexibility and adaptability you need for the modern built environment. The Static Inverters are renowned for consistent reliability, ease of installation and maintenance. With options for either no break in supply, or transfer times less than 0.5s, the Ventilux Static Inverter range have solutions available for all with a wide choice of power ratings, accessories and Automatic Testing Solutions.

Features

- 24KVA Power Cabinet, built up of 6 X 4kVA Hot-Swap Power Modules.
- 1/1 Configuration via display.
- Systems and battery Test Function.
- True sinewave & PWM microprocessor controlled technology.
- Recharged batteries up to 80% within 10 hours.
- LCD user information panel providing accurate, detailed information about load, batteries, system diagnostics and audible alarm.
- Fast changeover to battery mode.
- Temperature compensated charger - optional.
- RS232, and dry contacts for communication and remote monitoring.
- TCPIP / KNX / Netcom 5XP options supported.
- Reduced mean time to repair to modular design.

INPUT

| | |
|-----------------|--------------------------|
| Nominal Voltage | 230 VAC (1Ph + N + PE) |
| Voltage Range | 184 V - 285 V |
| Frequency Range | 50 Hz ± 5% |

OUTPUT

| | |
|---|--|
| Nominal Voltage | 230 Vac |
| AC Voltage Regulation | ±1% |
| Frequency Range | ±0.2% battery supply |
| Power Factor | 0.9 |
| Power Rating | 24kVA/21.6KW |
| Crest Factor | 3:1 |
| Harmonic Distribution (linear load) | <1% |
| Transfer Time | <5msecs |
| Waveform | Sinewave |
| Load Circuits | 1 |
| Maximum MCB size to be used in Final Distribution | C20 |
| Overload | 175% 1min, 150% 10min, 120% continuous |
| Mode Operation | Changeover |
| Maintained / Non Maintained | Maintained (standard) / Non-Maintained (optional) |

BATTERY

| | |
|--|-------------------------------|
| Battery Qty & Type | 80 x PSLIFR100-12 |
| Qty of Batt Cab | 2 strings |
| Inverter (mm) | 510(W) x 850(D) x 1340(H) |
| Batt System - Cladded Rack Option (mm) | 1930(W) x 850(D) x 2000(H) |
| Internal / External | 3 hour external |
| End of Life to EN50171:2021/IEEE | Included |
| Charge Battery to 80% within 12 hours | Included |
| Temperature Compensation | Optional |
| Deep Discharge Protection | Included |
| DC Earth Leakage | Optional |

LIGHTING CONTROL INTERFACE

| | |
|---------------------------------------|---------------------|
| External Mains Fail Test Connection | Included |
| Non-Maintained Mode Connection | Optional |
| FAR Connection | Optional |
| External Phase Fail Connection | Optional |
| 24 Vdc Supply for External Contractor | Optional |
| KNX / DALI / NODE Interface | Optional |
| Mains Fail Test Button | Key switch included |
| Volt Free Contacts | 8 |

GENERAL

| | |
|-----------------------|----------------------|
| Operating Temperature | -5°C to 40°C |
| Operating Humidity | 5-95% non-condensing |
| Acoustic Noise | <55dB @ 1 metre |
| Degree of Protection | IP30 |

Catalogue Numbers

System Mode

Static Inverter 1:1

Part Number

VESMOD/24

Weight (kg)

Cladded Rack - 2762, Inverter - 142