

VESMOD12

12KVA Power Cabinet

Static Inverter



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	±3%
Frequency Range	±1%
Power Factor	0.9
Power Rating	12kVA/10.8KW
Crest Factor	3:1
Harmonic Distribution (linear load)	<5%
Transfer Time	0.5secs
Waveform	Sinewave
Load Circuits	1 output
Maximum MCB size to be used in Final Distribution	C10
Overload	150% 1min / 120% continuous
Mode Operation	Changeover
Maintained / Non Maintained	Maintained (standard) / Non-Maintained (optional)

BATTERY

Battery Qty & Type	40 x PSLIFR110-12
Qty of Batt Cab	1 string
Inverter	510 x 850 x 1340
Batt System - Cladded Rack Option	1020 x 850 x 2000
Batt System - Open Rack Option	940 x 805 x 1735
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	Optional
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	0°C to 40°C
Operating Humidity	5-95% non-condensing
Acoustic Noise	<55dB @ 1 metre
Degree of Protection	IP30

CLEARANCES (Minimum)

To Front	600mm
To Rear	300mm
Above	700mm
Left/Right Sides	0mm

Catalogue Numbers

System Mode

Static Inverter - 1/1

Part Number

VESMOD12

Weight (kg)

121kg(Static Inverter) 1401kg(Cladded Battery unit)



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 12kVA, 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

- 12KVA Power Cabinet, built up of 3 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.
- RS232, and dry contacts for communication and remote monitoring.
- TCPIP / KNX / Netcom 5XP options supported.
- Reduced mean time to repair to modular design.