

## VESMOD20 20kVA Power Cabinet



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	20kVA/18KW
Crest Factor	3:1
Harmonic Distribution (linear load)	<5%
Transfer Time	0.5secs
Waveform	Sinewave
Load Circuits	1
Maximum MCB size to be used in Final Distribution	C16
Overload	150% 1min / 120% continuous
Mode Operation	Changeover
Maintained / Non Maintained	Maintained (standard) / Non-Maintained (optional)

BATTERY	
Battery Qty & Type	80 x PSL100-12
Qty of Batt Cab	2 strings
Inverter (mm)	510(W) x 850(D) x 1340(H)
Batt System - Cladded Rack Option (mm)	1890(W) x 825(D) x 2000(H)
Batt System - Open Rack Option (mm)	1810(W) x 680(D) x 1737(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	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

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 20kVA, 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

- 20KVA Power Cabinet, built up of 5 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 12 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.

#### Catalogue Numbers

##### System Mode

Static Inverter 1:1

##### Part Number

VESMOD20

##### Weight (kg)

Cladded Rack - 2425, Inverter - 135