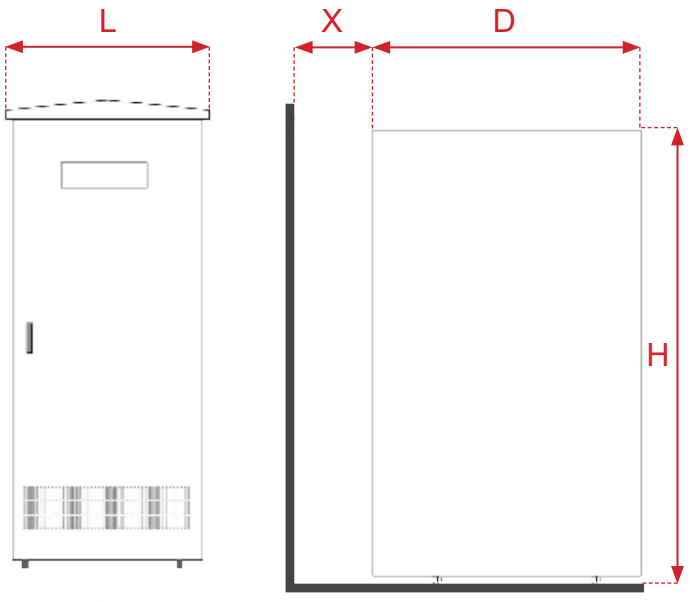
VENTILUX
Lighting the path to safety together

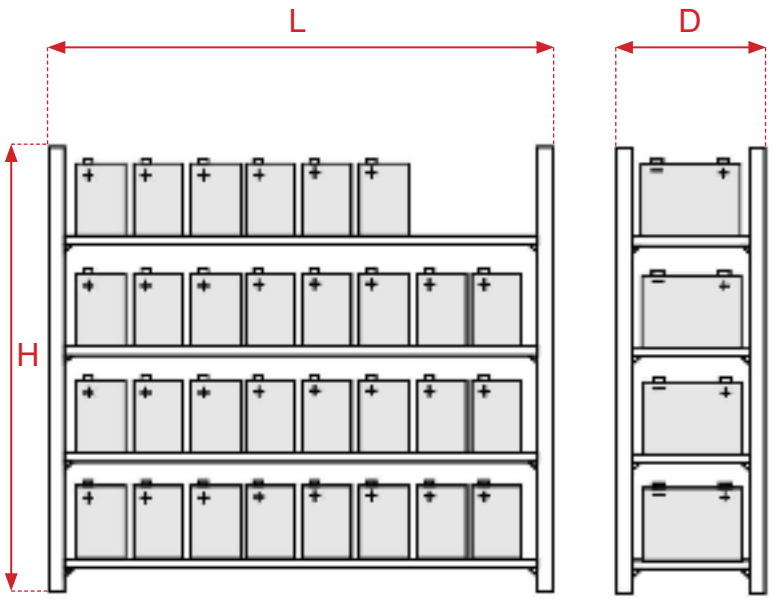
VES 380 DSP
80kVA Power Cabinet

The Ventilux Emergency Lighting (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 80kVA, 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

- 80kVA Power Cabinet.
- 3/3 Configuration via display.
- Recharges batteries up to 80% within 12 hours.
- True Sinewave output & PWM microprocessor controlled technology.
- Front access for all maintenance and repair.
- FAR Controls including 48Vdc supply for Fire Alarm Panel.
- Selectable Non-Maintained/Maintained Mode with External Control (If external contactor fitted).
- Deep Discharge Protection.
- External Test Facility included.
- User selectable Inverter or Changeover Mode.
- DC short circuit protection.
- LCD panel providing accurate detailed information about load, batteries and inverter with advanced diagnostics.
- RS232 and dry contacts for communication and remote monitoring.





Static Inverter Dimensions VES 380 DSP	
L = Length (mm's)	555
D = Depth (mm's)	920
H = Height (mm's)	1470
X = Distance from rear of static to wall (mm's) *Minimum	300

Cladded Battery Rack Dimensions	
L = Length (mm's)	2850
D = Depth (mm's)	875
H = Height (mm's)	2000

Static Inverter Weight	
Net weight (kg's)	220

Battery Rack Weight	
Net weight (kg's)	5134

SS2-069-01

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MODEL	VES 380 DSP
Power rating kVA / kW	80 / 72
INPUT	
Nominal Voltage	380 / 400 / 415 VAC (3PH + N + PE)
Voltage Range	±15%
Power Factor	0.99 @ Full load
Harmonic Distortion	<5% @ 100% load
Frequency Range	50 Hz ± 5%
OUTPUT	
Nominal Voltage	230 / 400 Vac (3Ph + N + PE)
AC Voltage Regulation	±2%
Frequency Range	±1%
Power Factor	0.9
Crest Factor	3:1
Harmonic Distribution (linear load)	<3%
Transfer Time	<0.5 secs
Waveform	Sinewave
Load Circuits	1
Maximum MCB size to be used in Final Distribution	C25
Overload	120% continuous, 120 - 150% for 10mins, 150-180% for 1min
Mode Operation	Changeover or Inverter selectable
Maintained / Non Maintained	Maintained (standard) / Non-Maintained (optional)
BATTERY	
Battery Qty & Type	240 x PSLIFR135-12 VRLA
External	3 hour (Standard) 1 Hour (optional)
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	Included
FAR Connection	Included
External Phase Fail Connection	Included
24 Vdc Supply for External Contractor	Included
KNX / DALI / NODE Interface	Optional
Mains Fail Test Button	Included
Volt Free Contacts	11
GENERAL	
Operating Temperature	0˚C to 40˚C
Operating Humidity	10-90% non-condensing
Acoustic Noise	<64dB @ 1 metre
IP Rating	IP20
CLEARANCES (Minimum)	
Front	600mm
Rear	300mm
Above	700mm
Left/Right Sides	600mm

Catalogue Numbers

System Mode	Part Number	Weight (kg)
Static Inverter	VES 380 DSP	220