

VES1012XA

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 1.25kVA, 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

- 1/1 Configuration via display.
- Integral batteries.
- 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.
- Built in Distribution (Single to 6 Circuit as Standard).
Option to modify to 12 CCT.
- RS232, and dry contacts for communication and remote monitoring.
- TCP/IP / KNX / Netcom 5XP options supported.

MODEL	VES1012XA-0.4Kw 1-6C	VES1012XA-0.6Kw 1-6C	VES1012XA-0.8Kw 1-6C	VES1012XA-1Kw 1-6C
INPUT				
Nominal Voltage	230 VAC (1Ph + N + PE)	230 VAC (1Ph + N + PE)	230 VAC (1Ph + N + PE)	230 VAC (1Ph + N + PE)
Voltage Range	184 V - 285 V	184 V - 285 V	184 V - 285 V	184 V - 285 V
Frequency Range	50 Hz ± 5%	50 Hz ± 5%	50 Hz ± 5%	50 Hz ± 5%
OUTPUT				
Nominal Voltage	230 VAC	230 VAC	230 VAC	230 VAC
AC Voltage Regulation	±3%	±3%	±3%	±3%
Frequency Range	±1%	±1%	±1%	±1%
Power Factor	0.8	0.8	0.8	0.8
Crest Factor	3:1	3:1	3:1	3:1
Harmonic Distribution (linear load)	<5%	<5%	<5%	<5%
Transfer Time	0.5secs	0.5secs	0.5secs	0.5secs
Waveform	Sinewave	Sinewave	Sinewave	Sinewave
Load Circuits	1-6	1-6	1-6	1-6
Maximum MCB size to be used in Final Distribution	B4	B4	B4	B4
Overload	150 % 1min / 120% continuous	150 % 1min / 120% continuous	150 % 1min / 120% continuous	150 % 1min / 120% continuous
Mode Operation	Changeover	Changeover	Changeover	Changeover
Maintained (standard)/ Non Maintained (optional)	Maintained	Maintained	Maintained	Maintained
BATTERY				
Battery Qty & Type	4 x PSL44-12	4 x PSL70J-12	4 x PSL100-12	4 x PSL110-12
Internal / External	3 hour internal	3 hour internal	3 hour internal	3 hour internal
End of Life to EN50171:2021 IEEE	Included	Included	Included	Included
Charge Battery to 80% within 12 hours	Included	Included	Included	Included
Deep Discharge Protection	Included	Included	Included	Included
DC Earth Leakage	Optional	Optional	Optional	Optional
LIGHTING CONTROL INTERFACE				
External Mains Fail Test Connection	Optional	Optional	Optional	Optional
Non-Maintained Mode Connection	Optional	Optional	Optional	Optional
FAR Connection	Optional	Optional	Optional	Optional
External Phase Fail Connection	Optional	Optional	Optional	Optional
24 Vdc Supply for External Contractor	Optional	Optional	Optional	Optional
KNX / DALI / NODE Interface	Optional	Optional	Optional	Optional
Mains Fail Test Button	Key switch included	Key switch included	Key switch included	Key switch included
Volt Free Contacts	3	3	3	3
GENERAL				
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	0°C to 40°C
Operating Humidity	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing	5-95% non-condensing
Acoustic Noise	<56dB @ 1 metre	<56dB @ 1 metre	<56dB @ 1 metre	<56dB @ 1 metre
Degree of Protection	IP20	IP20	IP20	IP20
CLEARANCES (Minimum)				
Front	800mm	800mm	800mm	800mm
Rear	0mm	0mm	0mm	0mm
Above	0mm	0mm	0mm	0mm
Left/Right Sides	250mm	250mm	250mm	250mm