

SINGLE PHASE STATIC INVERTERS



DATA SHEET



The BLE EPS-II range of static inverter units are designed to comply with the latest European and British Standard BS EN 50171:2001 for emergency lighting central systems. The Inverters are manufactured to a high standard, providing a cost effective integrated solution for emergency power for escape and emergency lighting systems where a minimum of 3 hours autonomy and less than 24 hours full recharging is required (other standby durations available on request). The units are designed with simplicity in mind, both for the end user and the maintenance provider; whether that is the battery configuration or accessibility for periodic maintenance works.

230V

1.6-
16.6KVA

1 YEAR
GUARANTEE

Ideal for Emergency Lighting applications

Compact design for ease of installation in restricted space

Digital System Status Display

Specification - Input

Voltage	230V AC +/- 10%
THD (Linear Load)	<5%
Frequency	50Hz +/- 5%
Phase	Single Phase
Max Input Current	(Watts/230) x 1.35 = Amps

Specification - Output

Rated Voltage	230V AC
Phase	Single Phase
Frequency Stability	<+/- 0.5% (Asynchronous)
Frequency Stability	<+/- 2% (Synchronous)
Crest Factor	3:1
Output Wave Form	Pure Sine Wave
Voltage Transfer	0-100% Dynamic Load 100%
Overload Capacity	20% continuously for >1 hour 150% continuously for 10 minutes 200% continuously for <1 minute
Efficiency (100% Load)	>90%
Load PF	>0.70
Operating Temperature	0-25°C (other options available)
Relative Humidity	30-90% Non-condensing
Altitude	<1000m
Noise	45-65dBA
Colour	Blue / Grey

Version 1. 11/2019



POWER

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Additional Information

- Smart Battery Charge Management to Optimise Battery Life
- Low Maintenance
- Output Configuration - Active Standby
- 1 Output (Multiple Outputs Optional)
- Transformer Base Design
- Complies with BS EN 50171:2001
- Batteries Comply with IEC 6089621 and IEC 6089622
- Sealed Lead Acid Batteries Rated for 10 Years Design Life

Code	3 Hour kVA (kVA)	3 Hour Watts (W)	Inverter Dimensions (H x W x D mm)	Inverter Weight (Kg)	Battery Cabinet (H x W x D mm)	Battery Cabinet Weight (Kg)
EPS-II-1-1.6KVA	1.6	1300	725 x 343 x 630	60	1350 x 780 x 470	233
EPS-II-1-2.6KVA	2.6	2200	725 x 343 x 630	60	1350 x 780 x 470	345
EPS-II-1-3.8KVA	3.8	3200	725 x 343 x 630	60	1350 x 780 x 470	465
EPS-II-1-5.5KVA	5.5	4700	725 x 343 x 630	60	1350 x 780 x 470	617
EPS-II-1-7.6KVA	7.6	6300	725 x 343 x 630	120	1350 x 1560 x 470	930
EPS-II-1-11.0KVA	11.0	9300	1000 x 343 x 630	140	1350 x 2340 x 470	1234
EPS-II-1-16.6KVA	16.6	14100	1135 x 600 x 550	200	1350 x 2340 x 470	1851

1 Hour Duration Available on Request

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