

Mini-Sine

A mini static inverter emergency lighting unit for loads up to 150 watts

Orlik low power compact **Mini Sine** is a Mini Static inverter system designed to operated loads upto 150W at 230V. This popular unit is available in 2 versions, either for 1 or 3 hour duration on mains failure.

A purpose designed lead acid charger provides a float voltage of 27V within a tolerance of 1% with a sustainable charge current of 5A and over current protection. The charger is short circuit and battery reversal protected with the addition of thermal shutdown protection.

Addition cooling for the charger during early charging stages is provided by a quiet chassis mounted fan.

A high efficiency soft start modified sine wave inverter provides the emergency back up making it suitable for inductive loads. Output is $230V \pm 10\%$ $50Hz \pm 1\%$. It is able to provide continues loading up to 150W and includes overload protection. The sine wave inverter includes over temperature and short circuit protection and is suitable for operation in an ambient of up to 30°C.

The front panel provides a number of indicators displaying healthy supply, power failure battery disconnect/charger failure and over a charge indicator that extinguishes when the charge current falls below 1 Amp.

Additional fault monitoring is provided via a set of volt free contacts allowing for remote monitoring of the **Mini Sine**.

Mini Sine is supplied with Lead Acid Batteries which are housed within its robust high quality steel enclosure that is supplied in a white finish.

Mini Sine has advantages compared to self-contained systems for emergency lighting which include lower maintenance being a central unit, mains luminaires can be used with higher light outputs compared to conventional emergency luminaires which typically produce lower ballast lumen factors. Also with integral batteries the

Mini Sine can operate luminaires which maybe placed in environments unsuitable for batteries due to extreme heat or cold.

Mini Sine has also been successfully utilised to operate with certain discharge luminaires. (Please contact our technical department for assistance)



Ordering Codes

Cat No	Description	Batteries
MS150/1	150W 1 Hour Static Inverter Emergency Lighting Unit	2x12V 12Ah
MS150/3	150W 3 Hour Static Inverter Emergency Lighting Unit	2x12V 25Ah

Dimensions: 375mm x 440mm x 160mm

Weight: 21Kg (MS150/1 including batteries)

30Kg (MS150/3 including batteries)