

Mains Power Supplies

Modern LED marine navigation lights typically operate from a stabilised 12V DC power supply. If mains power is available, it is normal to utilise this supply and power the lights via a mains power supply with a dc output.

We offer a selection of power supplies which should suit most applications. They all provide a stable dc output but vary in the amount of current they can handle. We also offer a power supplies which have a back-up battery bank which will power the lights for a number of days in the event of a mains failure.

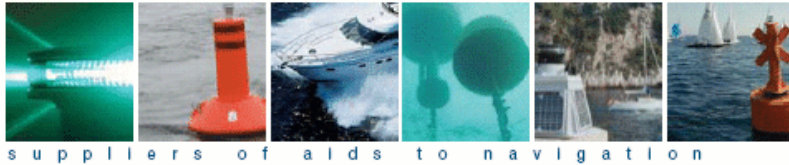
The actual length of time that the lights can be powered from the batteries is dependant upon the type of lights, number of lights, flash character and visible range of the lights. Typical reserve battery capacity is provided for 2 days but greater autonomy is available on request.

All power supplies are offered in weather-proof enclosures except one which is designed to fit within the integral weather-proof enclosure of one of our galvanised steel masts.

All power supplies are accompanied with installation instructions and are suitable for installation and commissioning by a competent electrician. We also offer installation and commissioning of equipment we supply and would be happy to undertake this work for you.



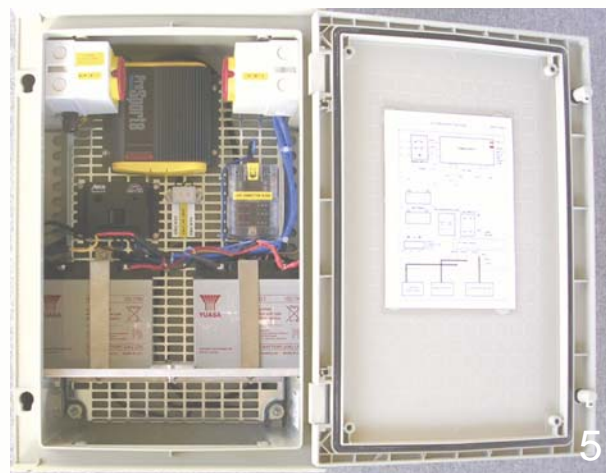
- Stabilised 12/15V dc output
- Up to 8A capacity
- Supplied in weatherproof enclosures
- Optional battery backup
- Unboxed supplies for mast installation



s u p p l i e r s o f a i d s t o n a v i g a t i o n

Mains Power Supplies SPECIFICATIONS

Option	Input	Output	Output	Enclosure	Battery back up	Dimension H x W x D	Weight
1	85 -250Vac	15V dc	1.0A	IP55	No	180 x 180 x 75	1.5 kg
2	85 -250Vac	12V dc	2.5A	IP55	No	180 x 180 x 75	1.5 kg
3	220-250Vac	12V dc	8.0A	IP55	No	380 x 280 x 180	4 kg
4	220-250Vac	12V dc	5.0A	IP67	No	60 x 250 x 50	0.5 kg
5	220-250Vac	12V dc	5.0A	IP55	34/68Ahr	645 x 440 x 250	29/41 kg
6	220-250Vac	12V dc	5.0A	None	34/68Ahr	645 x 440 x 250	27/39 kg



Hydrosphere has been a respected supplier of cost effective solutions to the marine industry for over a decade. The company offers a wide range of mooring and navigation buoys, LED navigation lights, sector lights, rotating beacons, leading lights, jetty masts, modular pontoon systems, beach and zone marking products and associated moorings. Installation and maintenance services are available for all our products and systems.

Hydrosphere UK, Ltd
 Units C & D, West End Centre
 Colthouse Lane
 Upper Froyle
 Hampshire
 GU34 4JR

Tel 01420 520374
 Fax 01420 520373
 E-mail sales@hydrosphere.co.uk

www.hydrosphere.co.uk

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