



The **OceanCELL** and **MiniCELL** range of rechargeable subsea battery packs are suitable for powering a variety of underwater sensors and instrumentation.



MiniCELL

Overview

OceanCELL and **MiniCELL** subsea battery packs are suitable for a wide range of applications such as powering gyrocompasses, tilt sensors, underwater displays and other instrumentation.

The **OceanCELL-12** consists of a single *UN 38.3 Approved* lithium-ion polymer battery pack, assembled in a 3000m depth rated housing. The **OceanCELL-25** and **OceanCELL-38** contain multiple individually *UN 38.3 Approved* battery packs for extended periods of operation down to 4000m depth.

The unit can be safely switched on for charge and discharge by an external **C-Switch** master on/off switch or by inserting the supplied shorting plug. Custom battery packs may be designed to a client's precise specifications to supplement our range of standard battery packs.

Options

- Optional **C-Switch** subsea master on/off switch
- Optional voltage monitoring electronics
- Custom depth ratings in various materials
- Choice of subsea connectors
- Vent plug



Optional voltage monitoring board





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Subsea battery packs

Specifications

	MiniCELL	OceanCELL-12	OceanCELL-25	OceanCELL-38
Battery type	Rechargeable Lithium-Ion Polymer			
Nominal voltage	25.9VDC			
Nominal capacity	3.6Ah	12.6Ah	25.2Ah	37.8Ah
0.2C discharge current	0.7A	2.5A	5.0A	7.5A
Max discharge current	7A	16A	32A	48A
Typical charge current	1.2A	3A	3A	6A
Typical charge duration	4–5 hours	6–7 hours	12–14 hours	8–10 hours
Length (excl connectors)	206mm	336mm	358mm	360mm
Diameter	88mm	145mm	210mm	255mm
Weight in air	2.4kg	7.9kg	23kg	33kg
Weight in water	1.4kg	3.3kg	11kg	15kg
Operating temperature	0°C to +45°C			
Depth rating	3000m		4000m	
Standard connectors *	Subconn MCBH4F and MCBH5F	Glenair G5507-1503 and G5507-1508		

* Alternative connectors can be fitted on request

Related Products

A **C-Switch** ROV or diver operated underwater switch can reliably isolate a battery pack from powered devices for safer operation both on deck and subsea. In addition to the original design (pictured) there are the more compact Mini design with a shorter lever and Micro design with a hand-operated rotary knob.



C-Switch

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

All specifications are subject to change without notice. E&OE.

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