



OceanTools

OceanCELL

Subsea battery packs

The **OceanCELL** and **MiniCELL** range of 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-38** contains 3 individually *UN 38.3 Approved* battery packs for extended periods of operation.

An optional voltage monitoring board allows remote monitoring of the battery status by reporting on-load voltage readings via RS232 or RS485 serial output. As well as standard rechargeable battery packs, custom battery packs may be designed to a client's precise specifications.

Options

- Non-rechargeable variants also available
- Optional on-load voltage monitoring
- Optional **C-Switch** subsea master on/off switch
- Optional pressure switch with configurable pressure/depth activation
- Custom depth ratings in various materials
- Vent plug

Specifications

	MiniCELL	OceanCELL-12	OceanCELL-38
Battery Type	Lithium-Ion Polymer	Lithium-Ion Polymer	Lithium-Ion Polymer
Nominal Voltage	25.9VDC	25.9VDC	25.9VDC
Capacity	3.6Ah	12.6Ah	37.8Ah
Length	206mm	336mm	285mm
Diameter	88mm	145mm	240mm
Weight in Air	2.4kg	7.9kg	25kg
Weight in Water	1.4kg	3.3kg	12kg
Depth Rating	3000m	3000m	3000m
Connectors	MCBH4F & MCBH5F	MCBH4F & MCBH5F	Custom

Related Products

OceanCELL subsea battery packs are also available with an integrated **OceanLOG** datalogger. The datalogger can operate for up to 3 months on a typical 12.6Ah battery pack, capturing up to 256MB of ASCII data from two serial inputs. If the battery pack is used to power subsea sensors, the integral datalogger can capture their data with only a small additional power requirement.

A **C-Switch** underwater switch can reliably isolate the **OceanCELL** from powered devices for safer operation both on deck and subsea.



C-Switch