



# Subsea Battery

For local energy storage

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Part numbers: See page 2

The Innova Subsea Battery is designed to operate and provide power for subsea systems in harsh environments.

Each Subsea Battery has an integrated BMS (Battery Management System) for safety, diagnostics and monitoring. There is a dedicated connector allowing for batteries to operate in parallel.

The battery chemistry selected is a reliable solution suitable for a wide range of temperatures and conditions. The unit is re-chargeable and comes in 3 different models based on their energy capacity: Model 500, 1000 and 2000. All of them can be set up with different voltage outputs; 12 VDC, 24 VDC and 48 VDC.

## Key features

- The cells are inherently safe over a wide range of temperatures and conditions.
- Very low standby leakage.
- High Charging Life.
- BMS integrated with short current protection.
- 12 VDC, 24 VDC and 48 VDC.
- Up to 2 kWh capacity.
- Pressure Relief Valve.
- Depth rating down to 3000m.

Preliminary version No. 01

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Note: We accept no liability for any printing errors or changes in specification.

## MODEL 500 SPECIFICATIONS

<b>Model 500</b>	12 V	24 V	48 V
Nominal Voltage [V]	13,2	26,4	52,8
Charge Voltage [V]	14,4	28,8	57,6
Capacity [Wh]	495	462	396
Cutoff voltage [V]	12	24	48
OD [mm]		216	
Length [mm]		247	
Wheight in air [kg]		18	

## MODEL 1000 SPECIFICATIONS

<b>Model 1000</b>	12 V	24 V	48 V
Nominal Voltage [V]	13,2	26,4	52,8
Charge Voltage [V]	14,4	28,8	57,6
Capacity [Wh]	1023	990	924
Cutoff voltage [V]	12	24	48
OD [mm]		216	
Length [mm]		384	
Wheight in air [kg]		22	

## MODEL 2000 SPECIFICATIONS

<b>Model 2000</b>	12 V	24 V	48 V
Nominal Voltage [V]	13,2	26,4	52,8
Charge Voltage [V]	14,4	28,8	57,6
Capacity [Wh]	2046	2046	1980
Cutoff voltage [V]	12	24	48
OD [mm]		216	
Length [mm]		656	
Wheight in air [kg]		32	

## SHARED MODEL STANDARD SPECIFICATIONS

Maximum current [A]	7.5
Operating temperature [°C]	-5 to 50
Charging temperature [°C]	1 to 30
Storage temperature [°C]	-30 to 50
Charge cycles	4000
Housing material	Aluminum 6082 – hard anodized
Depth rating [msw]	3000

## CONNECTORS

	Type	Function	Signal	Voltage
B1	BH8F	Output interface and power output	RS485 Wake-up	12/24/48VDC
B2	BH8M	Secondary battery	RS485 Wake-up	12/24/48VDC
B3	BH6F	Charger	Wake-up	12/24/48VDC
B4	MCBH3F	Main switch	Wake-up	

## BATTERY MANGEMENT SYSTEM

Diagnostics are available via Modbus RTU on RS485.

Diagnostics include:

- State of charge
- Cell voltages
- Charging cycles
- Current Consumption
- Internal Temperature



CUSTOM BUILDS AVAILABLE ON REQUEST

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