



## BatCom I, Prototype

### System Info

#### **Topside unit:**

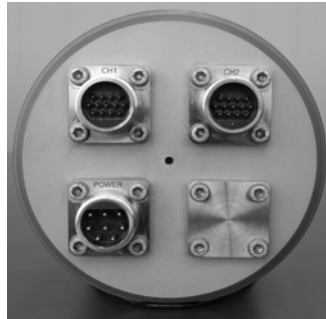


Dimension	:	19" Rack, 1 HE, Dept 257mm
Power supply	:	100 – 240V AC , approx 50W
Output Channel 1	:	1000Base-T, RJ45
Output Channel 2	:	1000Base-T, RJ45
Input	:	SingleMode Fiber, ST connector
Indicators	:	Link and data indicator for CH 1 and CH 2, Power indicator



## BatCom I, Prototype

### Sub sea unit:



Dimension	:	Approx Ø 178mm Approx length 340mm + connectors.
Weigth in air	:	POD approx 12kg, plus Fiber assy 3,8 kg, Total 15,8kg
Weigth in water	:	POD approx 3,5 kg, plus Fiber assy 1,5kg, Total 5kg.
Material	:	Hard anodised aluminium, 2000MSW(standard)
Power requirements	:	100-240V AC /max 6A (600W PSU)
Input channel 1	:	1000Base-T, RJ45
Input channel 2	:	1000Base-T, RJ45
Optical Interface	:	One singlemode fiber
Optical wavelength	:	1470nm, 1510nm, 1550nm, 1550nm
Optical interface	:	Fiber assy, penetrator shell size 20
Fiber termination	:	ST connector, external
Optical budget	:	Approx 15 dB
Electrical interface	:	1 x 8 pin Seacon 5506-2008-0004 (Power) 2 x 13pin Seacon 5506-2013-0004 (CH1-CH2) Shell size 20



## BatCom I, Prototype

Pin Configuration, 7125 Seabat cable.

CH1, CH2

Seacon 5506-2013-0004 (BatCom)	Color Code	Function	Cable info	Inpulse MIL-16-MP (SeaBat 7125)
Pin no				Pin no
1	WHITE/BLUE	Ethernet	24AWG TSP1	1
2	BLUE	Ethernet	24AWG TSP1	2
3	WHITE/ORANGE	Ethernet	24AWG TSP2	3
4	ORANGE	Ethernet	24AWG TSP2	4
5	WHITE/GREEN	Ethernet	24AWG TSP3	5
6	GREEN	Ethernet	24AWG TSP3	6
7	WHITE/BROWN	Ethernet	24AWG TSP4	7
8	BROWN	Ethernet	24AWG TSP4	8
9		N.C.		9
10		N.C.		10
11	ORANGE	+ 48V	16AWG	11
12	YELLOW	- 48V ret	16AWG	12
13		N.C.		13
		N.C.		14
		N.C.		15
		N.C.		16

Power connection

Seacon 5506-2008-0004 (BatCom)	Function	ROV
Pin no		
1	N.C.	
2	110-240V AC	
3	AC Return	
4	N.C.	
5	N.C.	
6	N.C.	
7	N.C.	
8	N.C.	



## BatCom I, Prototype

### Fiber Connection

Fiber Assy No	Function	
SM 1	Optical Link CH1, CH2	
SM 2	N.C.	
SM 3	N.C.	
MM 4	N.C.	
MM 5	N.C.	
MM 6	N.C.	