

Bottom Connections	Tag No	Top Connections
+12v from battery positive	1	Sterling Crossover switch, terminal 2
+12v from Bluetti EB70 power station	2	Sterling Crossover switch, terminal 4
+12v input from batteries or Bluetti - distributed as necessary (for check)	3	Sterling Crossover switch, terminal 1
	4	
Sail light (2 wires)	5	Sail switch on front panel
Power (Steaming) light	6	Power switch on front panel
Tri-colour light	7	Tri-colour switch on front panel
Shower switch in heads	8	+12v via front panel 10A fuse
Echo sounder	9	Echo sounder switch on front panel / chartplotter
Fresh water pump	10	F/W pump switch on front panel
Instrument power (brown wire) + Fuel guage +ve	11	Instrument power switch on front panel + Compass LED via 27k resistor
Interia lights circuit 1 (5 wires)	12	Light switch 1 on front panel
+12v via front panel 5A fuse(1)	13	Nav desk light mounted on front panel
+12v via front panel 5A fuse(1)	14	Port side quarter berth 12v outlet
+12v via front panel 5A fuse(1)	15	
Interior lights circuit 2 (4 wires)	16	Light switch 2 on front panel
Front panel switch (top left)	17	Nav station RED led (storage area to left)
Front panel switch (top left)	18	<i>Positive DC/DC 5v convertor removed 10/5/21</i>
Fuel sender (resistance to ground via TAG no 38)	19	Fuel guage signal wire
Auto pilot	20	Auto pilot switch on front panel
+12v via front panel 5A fuse(2)	21	+12v to digital voltmeter mounted on front panel
+12v via front panel 5A fuse(2)	22	+12v to Vesper splitter
+12v via front panel 5A fuse(2)	23	+12v to Vesper Watchmate XB8000
+12v via front panel 10A fuse	24	+12v outlet mounted on front panel
+12v via front panel 10A fuse	25	VHF radio +12ve
+12v via front panel 10A fuse	26	Unknow circuit 1 (brown wire)
+12v via front panel 10A fuse	27	+12v to DC/DC convertor (5v) on back board
	28	
0v from battery -ve	29	Unknow cct (blue wire), port side Q/berth 12v socket
0v from battery -ve	30	

Bottom Connections	Tag No	Top Connections
0v from battery -ve	31	VHF radio 0v
0v from battery -ve	32	Fuel guage -ve, -ve to Vesper splitter, -ve to Vesper XB8000
0v from battery -ve	33	To compass -ve LED
0v from battery -ve, 0v to front panel	34	
Auto pilot 0v return	35	0v from battery negative
Echo sounder 0v return	36	0v from battery negative
Tri-colour light 0v return	37	0v from battery negative
0v to nav desk light on front panel + 0v to Fuel sender	38	0v from battery negative
0v to 12v outluet on front panel	39	0v from battery negative
	40	0v from battery negative

0v from Bluetti power station

N/C

0v on 0v BUS BAR

Notes

Tag colour code represents colour of din rail terminal used on the back panel

6/10mm beige terminal 55A (RS 815694)

4mm red terminal 35A (RS 501673)

4mm grey terminal 35A (RS 501803)

4mm black terminal 35A (RS 501645)

99	Used for high current
99	Always +12ve
99	Free for any use including +12ve
99	Always 0v

Modifications

15/06/2020 Minor amendments

26/07/2022 Added connections to Bluetti