

FIFISH Onshore Power Supply System



Quick Start Guide V1.0



Contents

- Safety and Regulations**1
- Introduction**2
- FIFISH Onshore Power Supply System (OPSS) Protecting Box**2
- FIFISH Onshore Power Supply System (OPSS)**3
- FIFISH OPSS Power Management (OPSS-PM)**4
- Electric Power Tank (E-Tank)**5
- FIFISH Onshore Power Supply System (OPSS)Spool**5
- Preparation**6
- Connection**7-10
- Maintenance**11-12
- The indication of the led colors on OPPSS-PM**13

Safety and Regulations



Operating FIFISH products requests training and practice. Please read through this document before operating in water.

1. Unauthorized disassembly of any parts is prohibited.
2. Please ensure that you install and connect the AC power system after the ROV is powered off.
3. Check if any damages in OPSS or E-Tank.
4. Check and keep both the communication interface and tether interface dry and clean, Salt and moisture may cause corrosion of the connector interface.
5. Check if AC input cable damage or not.
6. Please keep the power switch off during take-up and pay off the cable.
7. Pay attention to check whether the O-ring is on the connection cable connector. If it is missing or broken, please replace it in time.
8. Not recommended that OPSS and diver work underwater at the same time.
9. Pay attention to the conditioning of the Power indicator during uses.
10. Do not put heavy objects on OPSS-PM.
11. Do not make OPSS-PM in wet conditioning.

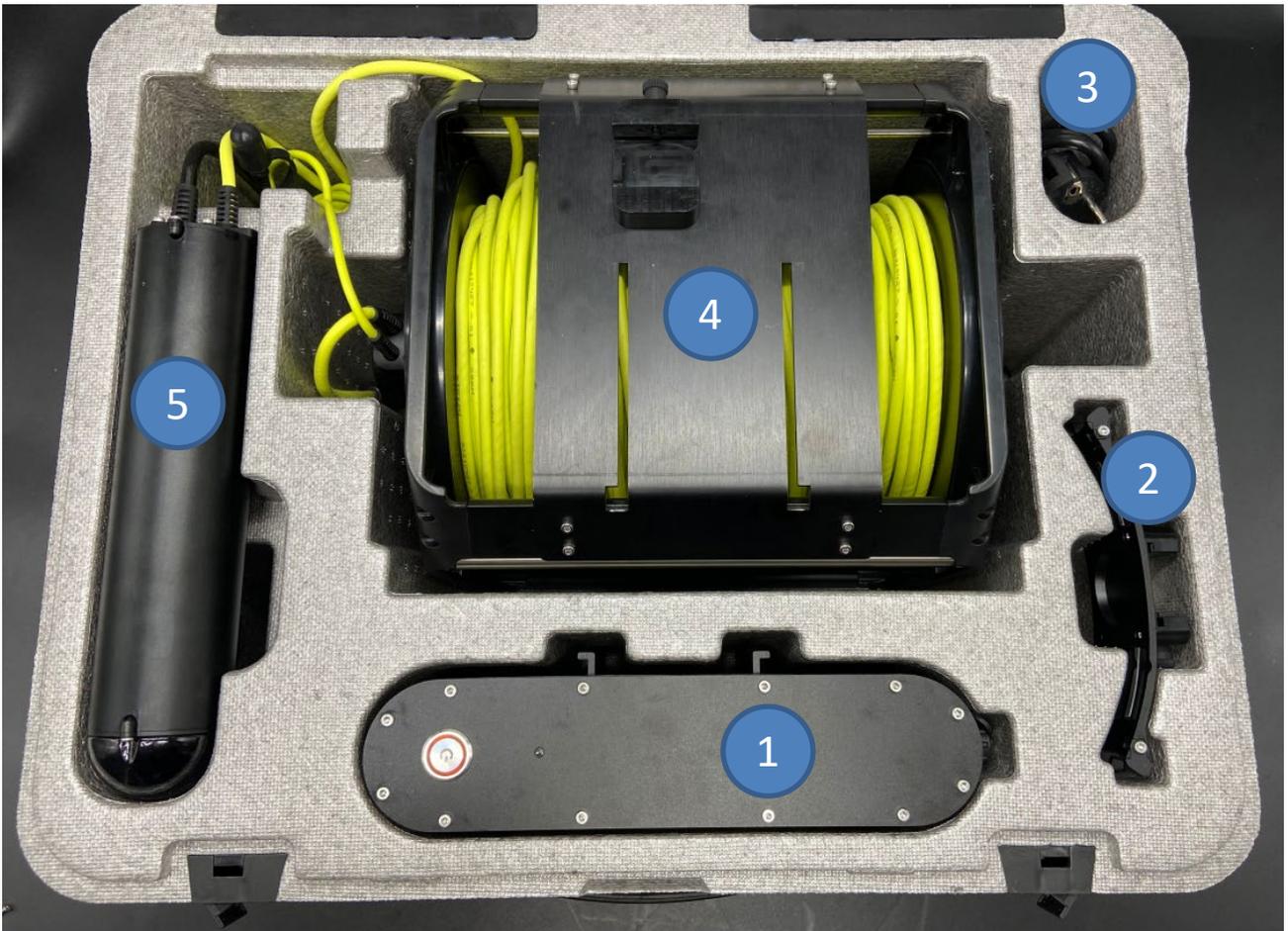
Introduction



FIFISH Onshore Power Supply System (OPSS) Protecting Box

1. Protecting Box
2. Protecting Box Button
3. Protecting Box Handle

Introduction



FIFISH Onshore Power Supply System (OPSS)

- 1.OPSS Power Management (OPSS-PM)
- 2.OPSS ROV Mount
- 3.The AC input cable for OPSS-PM
- 4.OPSS Spool (200M)
- 5.Electric Power Tank (E-Tank)

Introduction



FIFISH OPSS Power Management (OPSS-PM)

1.AC power output interface

2.AC power input interface

3.Switch Key

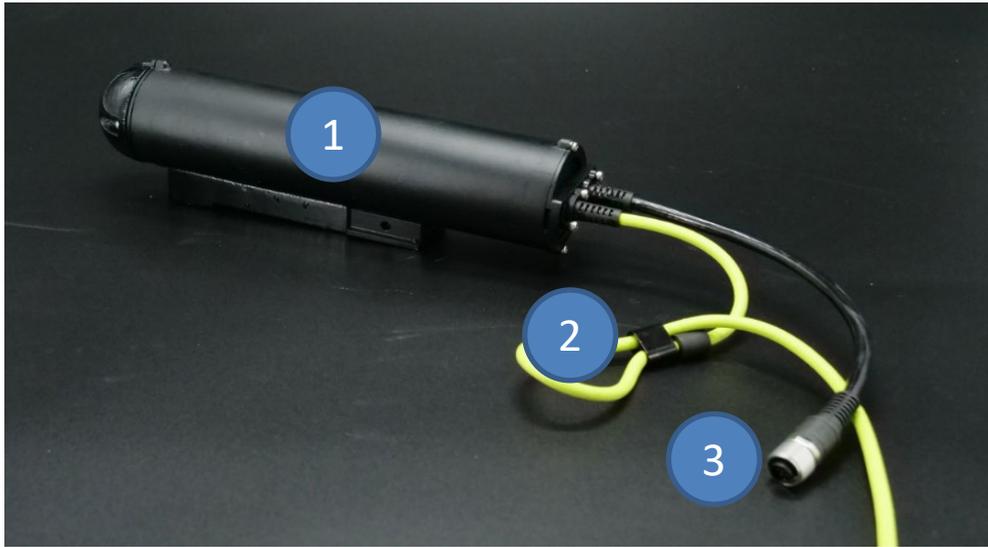
4.Power Indicator

Normal work (no charging): green light

Normal work (in charging): red light

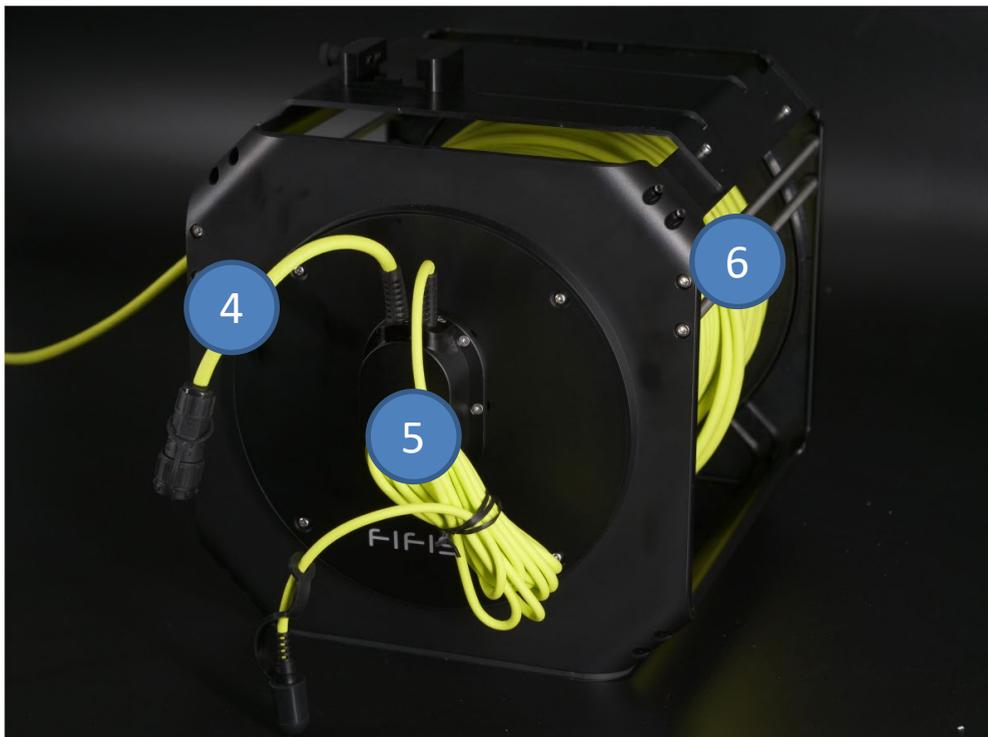
Other colors: Abnormal working condition (refer to the power indicator lights description of on pages P13)

Introduction



Electric Power Tank (E-Tank)

① Electric Power Tank (E-Tank) ② Tether ③ ROV Plug



FIFISH 岸上供电线盘

OPSS Spool

④ AC Plug ⑤ RC Plug ⑥ Tether (200M)

Preparation

1. Check the accessories are whether complete in Protecting Box



2. Check the appearance of all accessories for damage

- (1) Check OPSS Power Management (OPSS-PM)
- (2) Check OPSS ROV Mount
- (3) Check Onshore Power Supply System (OPSS)。
- (4) Check OPSS Spool

3. Check each connection plug for damage or water ingress

- (1) Check each connection plug for damage
- (2) Check each connection cable for damage

Preparation

1. Connect the AC output plug and input plug(E-Tank) to correct AC interface.(OPSS-PM).



! Notice: Please ensure that you install and connect the AC power system after the ROV is powered off.

2. Plug the AC input plug into the designated power socket.



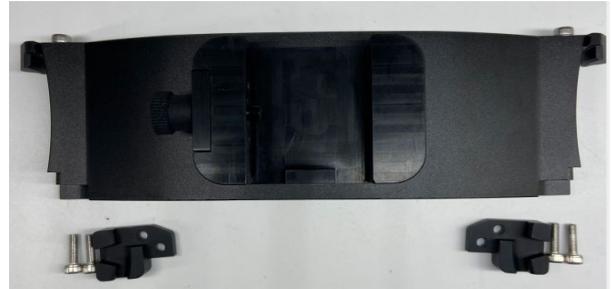
3. Turn off the OPSS-PM, and cut off the AC power supply.

! Note:

Please confirm the indicator shows green once turn on the OPSS-PM. If it shows wrong color, please turn if off and cut off the power.

Connection

1. Unfasten and take off the 4 fixing screws (NOT the 2 screws side)



2. Position the OPSS ROV mount on the top of ROV, and the side has 2 screws shall facing forward (the same with heading), the bracket end shall snap on horizontal thrusters



3. Fasten the 4 screws and the back (stern side) to secure the OPSS ROV mount, and twist to open the dowel pin



Connection

4. Pull out the dowel pin to unlock the E-Tank from OPSS Spool



5. Slid the E-Tank on OPSS ROV Mount, twist the dowel pin by 45° to secure the E-Tank

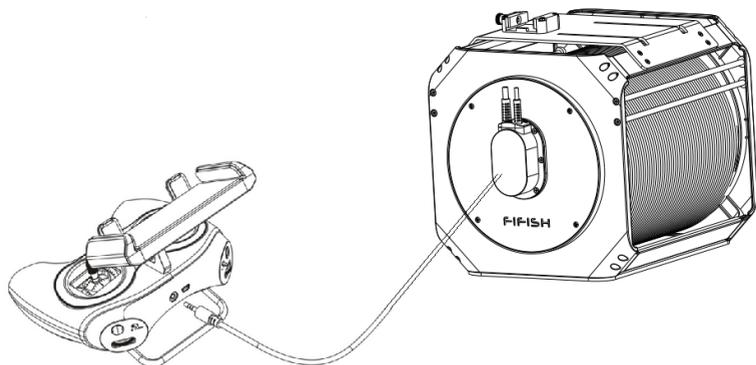


Installation steps:

- (1) Align the E-tank to the end of the OPSS ROV mount.
- (2) Lock the dowel pin on OPSS ROV mount by pushing right and rotating counterclockwise 45°.
- (3) Check if anything loosing on OPSS.
- (4) Connect and fasten the ROV tether on E-tank to ROV connector.

Connection

1. Plug the 3.5 mm end of OPSS Spool to FIFISH RC



2. Connect the AC input cable and Output tether on the OPSS-PM Twist the caps to secure the water-proof

3. Slid the E-Tank on OPSS ROV Mount (refer to the E-Tank installation description of on pages P9 and P10)

4. Hook the securing loop on the rear wing and Connect the E-Tank's ROV Plug (black cable) to ROV Tether Port

5. Connect to wall socket

6. Press the power button to turn ON

Note: 1.If the indicator shows wrong color, please turn it off and cut off power.

! 2.Please don not expose the E-tank under sunshine for more than 5 minutes when the OPSS is power on.



Maintenance

After-Dive:

1. Please turn off the OPPSS-PM first, then unplug the AC Plug, finally power off the RC.
2. Unplug the connecting tethers from corresponding socket.
3. Take off the E-tank from ROV. (You can keep the OPSS ROV mount installing for next diving.)
4. Check if there any connectors got water ingress or damage, make it dry and clean and then put on the special waterproof cap if everything normal. Please contact support if damaged.
5. Put every accessories back on the Protecting Box.



Note:

Please make accessories of OPSS in designated space, do not squeeze or pull the tethers violently to avoid damage.

Maintenance

1. Check each connection plug for damage or water ingress after every dive.
2. Check O-ring for damage after every dive.
3. Check the tether after every dive.
4. Clean Electric Power Tank with clean fresh water after every dive.
5. Check OPSS Power Management switch key is in good condition.
6. Check the tether on regular basis, replace the tether if break or damage appears.

Note:

Do not wash the OPSS Spool with water directly. You can use towel to make it clean, and do keep the OPSS Spool dry.

The indication of the led colors on OPPSS-PM



Green: Fully charged or no charging



Yellow: Overheat alarm



Red: Normal charging



Purple: Overloading alarm



Blue: Leakage alarm



White: Overvoltage or under voltage alarm