



Dcon_Ag_ABW - DC **(Auto Backwash - DC)** Field Installation Document





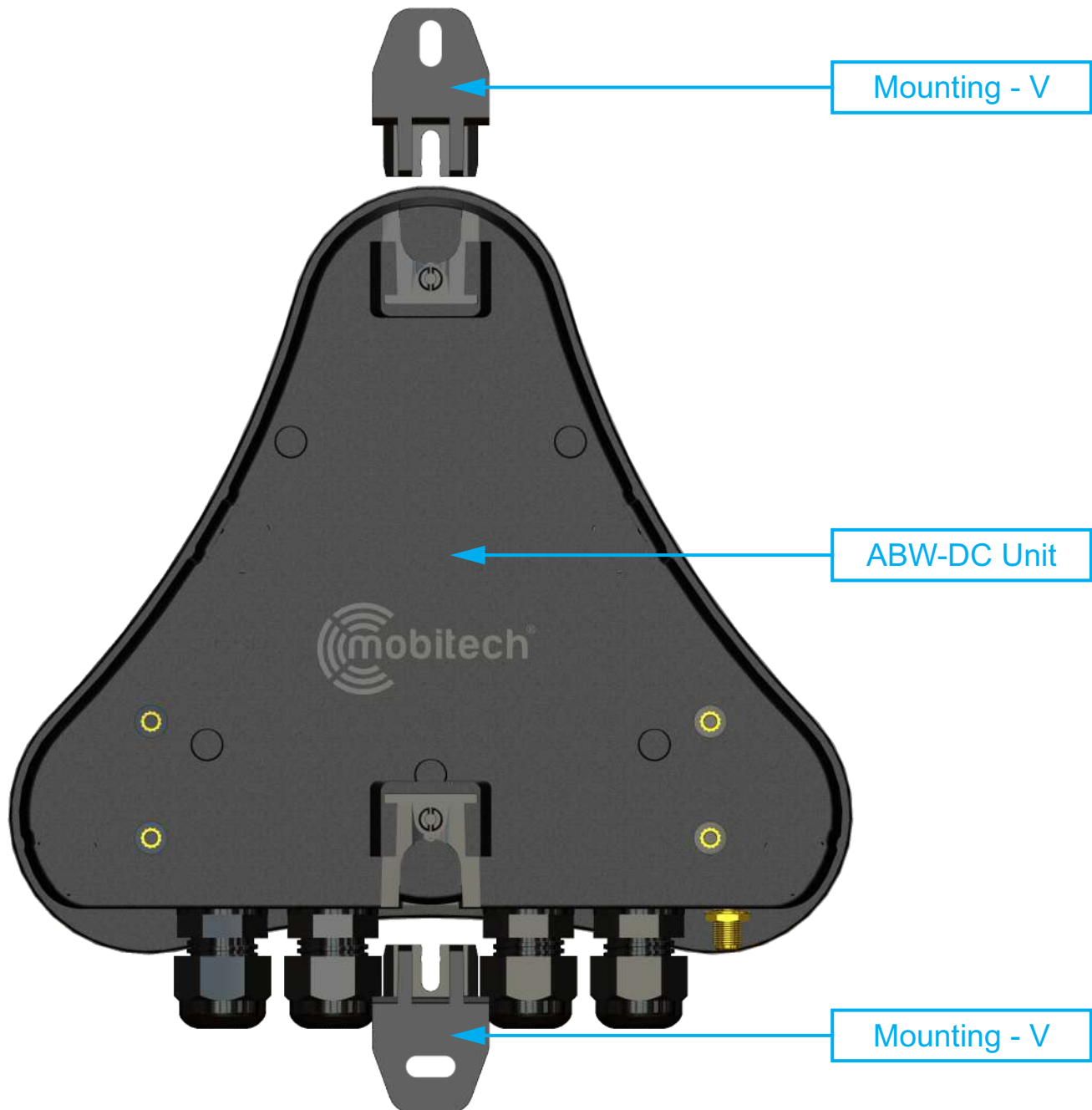
Technical Specification:

- Product Name : ABW - DC
- Solar Panel : 12V/12W
- Battery : 7.4V/2.6AH
- Backup Time : 72 Hours
- Communication : LORA and Blue tooth 5.0
- GPS : Inbuilt
- Water Flow sensor : Pulse Type (optional)
- Pressure Sensor : 2 No's (4-20 mA type)
- Number of Valves : 4 No's (9V latch coil)

Assembly Procedure:

Mounting Assembly:

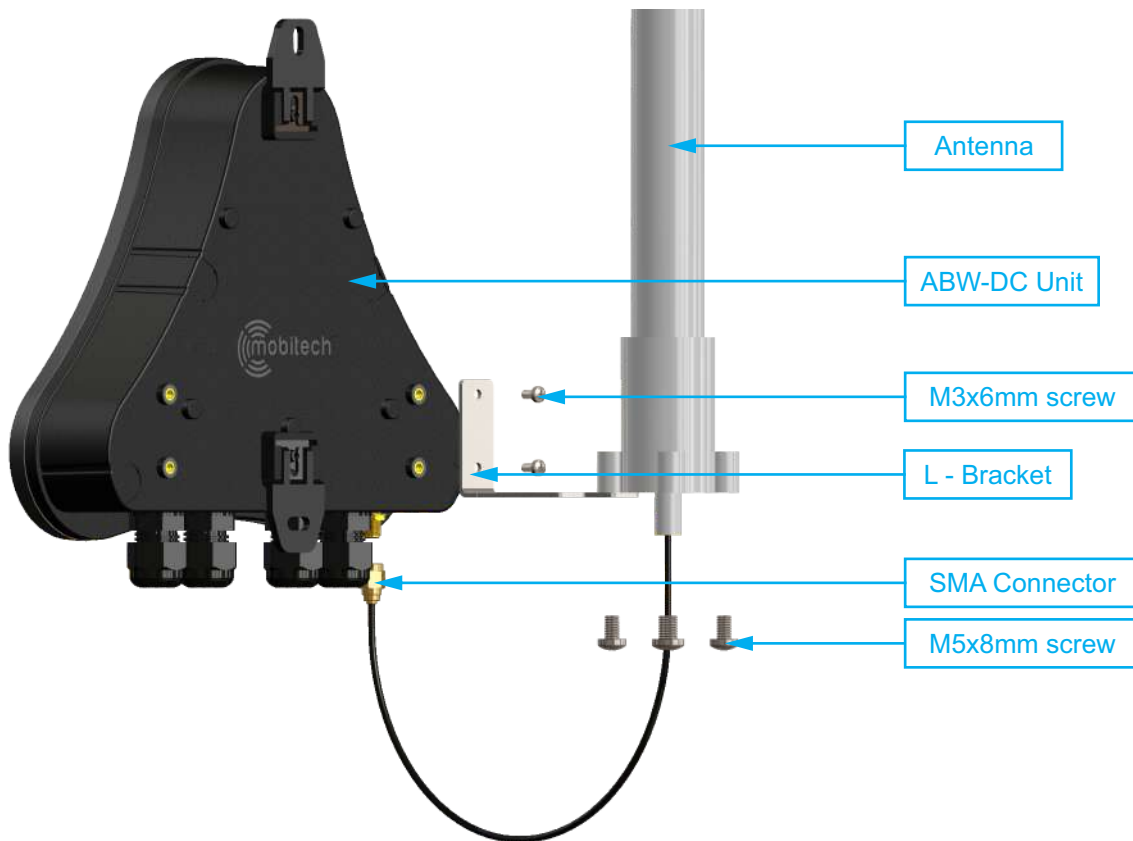
- Place V slot mounting at top side.
- Place H slot mounting at bottom side.





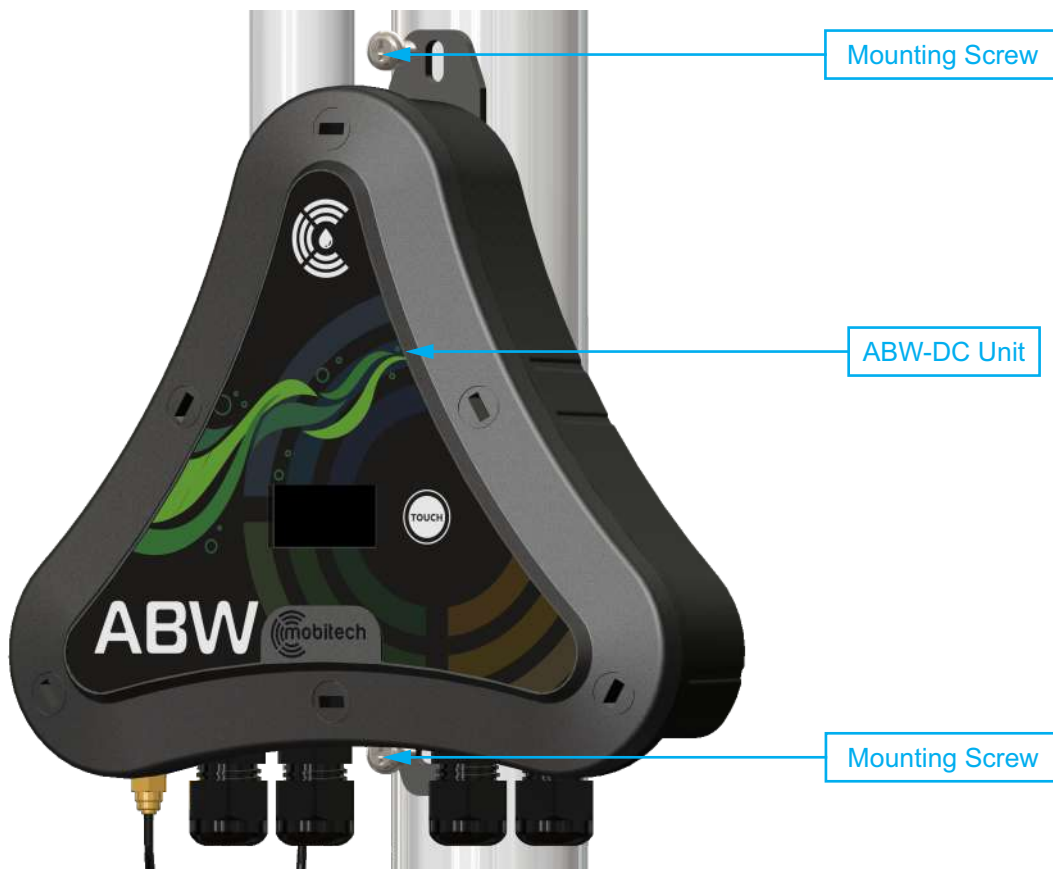
Antenna Assembly:

- Place the L-bracket for antenna mounting and screw with M3x6mm screw.
- Place the antenna on the mounting plate with M5x8mm screw.
- Connect antenna connector to SMA connector in ABW - DC unit.



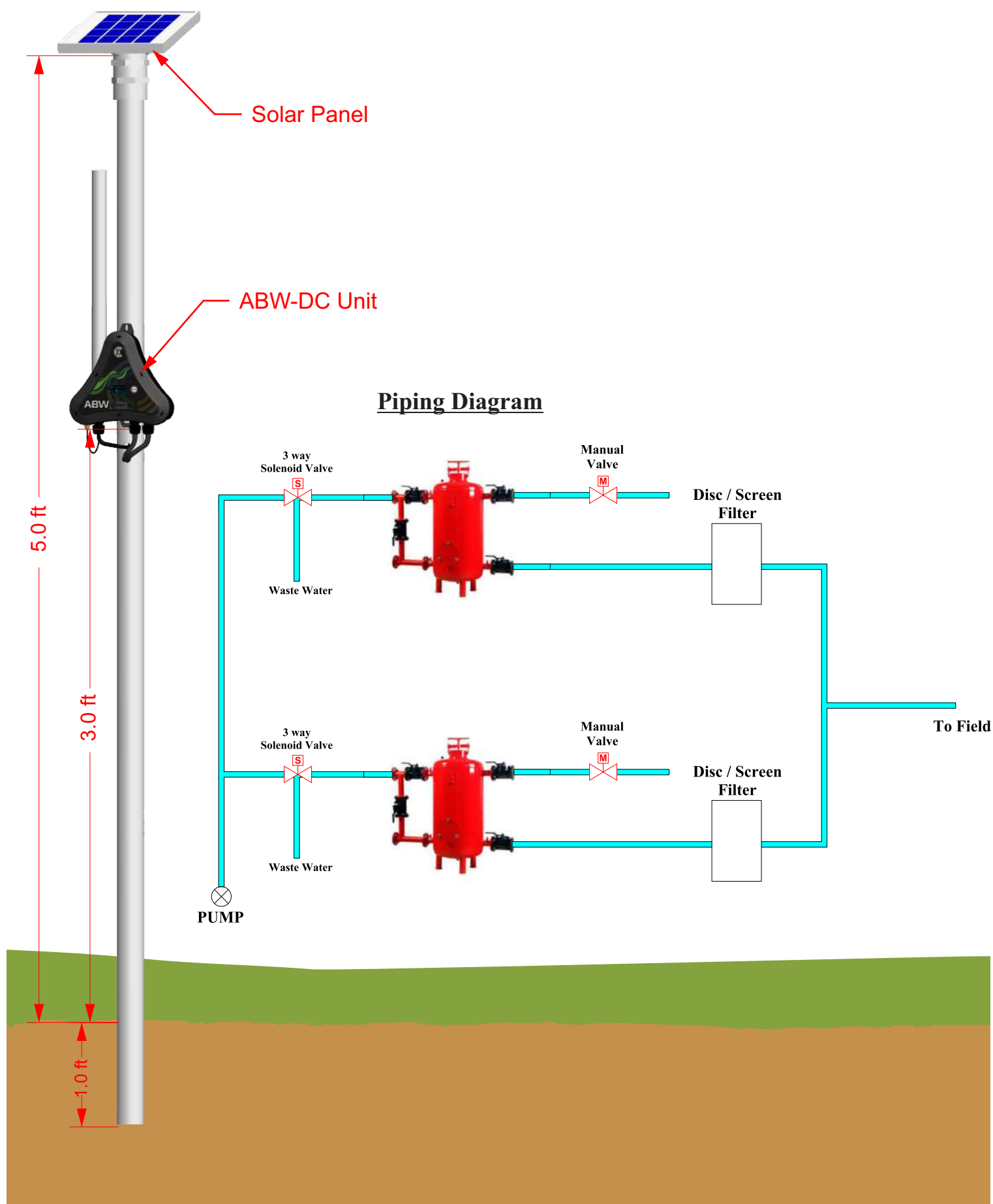
Pole Assembly:

- Mount ABW - DC unit with screw on pole.





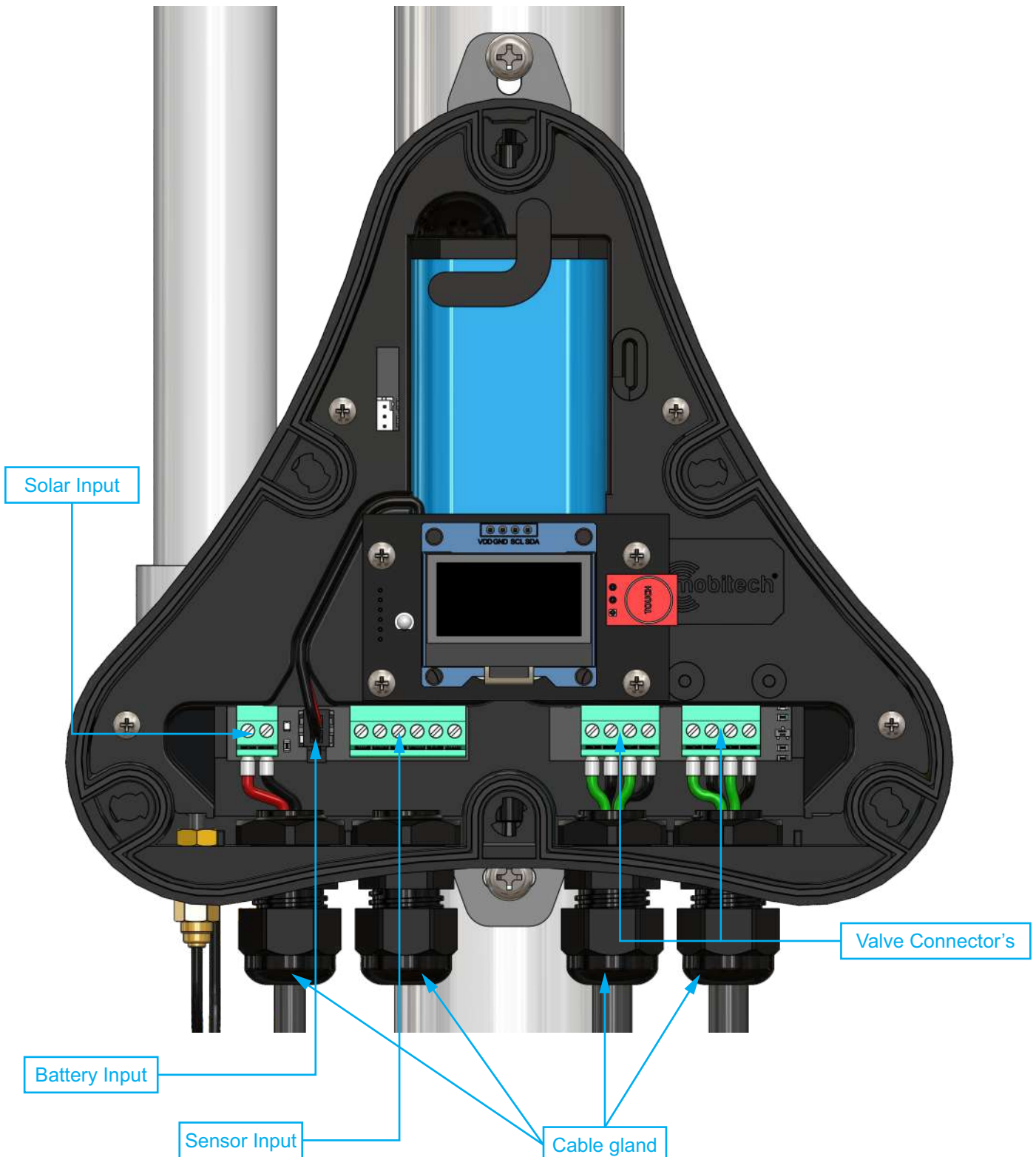
Full Assembly:





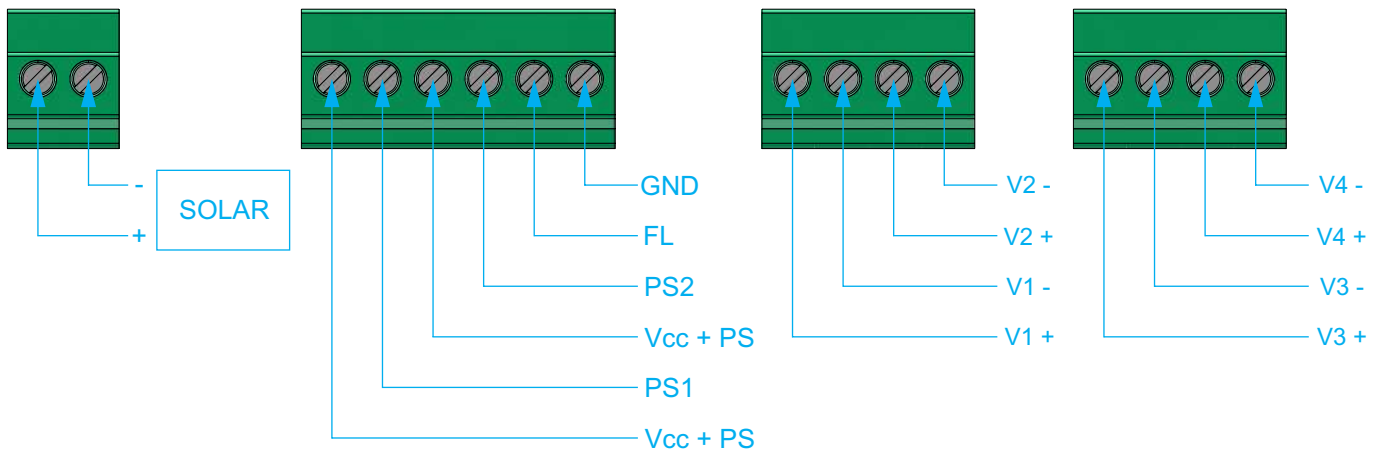
Wiring Drawing:

- Open top cover.
- Open cable gland 1, insert solar cable gland 1 and connect cable as shown in wiring diagram.
- Open cable gland 2, insert sensor cable in to cable gland 2 and connect cable as shown in wiring diagram.
- Open cable gland 3, insert valve cable in to cable gland 3 and connect cable as shown in wiring drawing.
- Open cable gland 4, insert valve cable in to cable gland 4 and connect cable as shown in wiring drawing.
- Connect battery connector as shown in picture.
- Check all connections and ensure tight of cable gland before closing top cover.



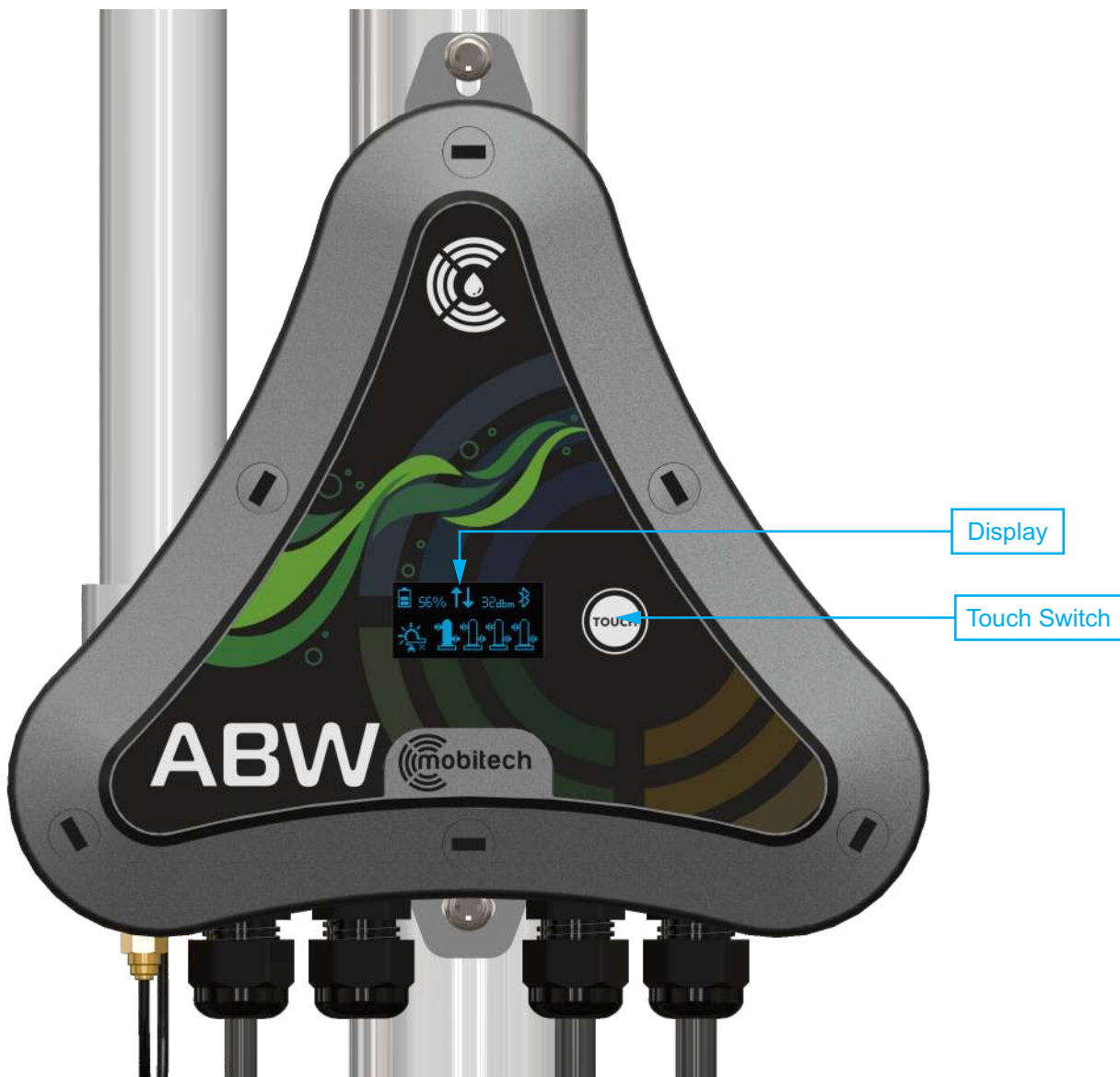


Connector Detail:



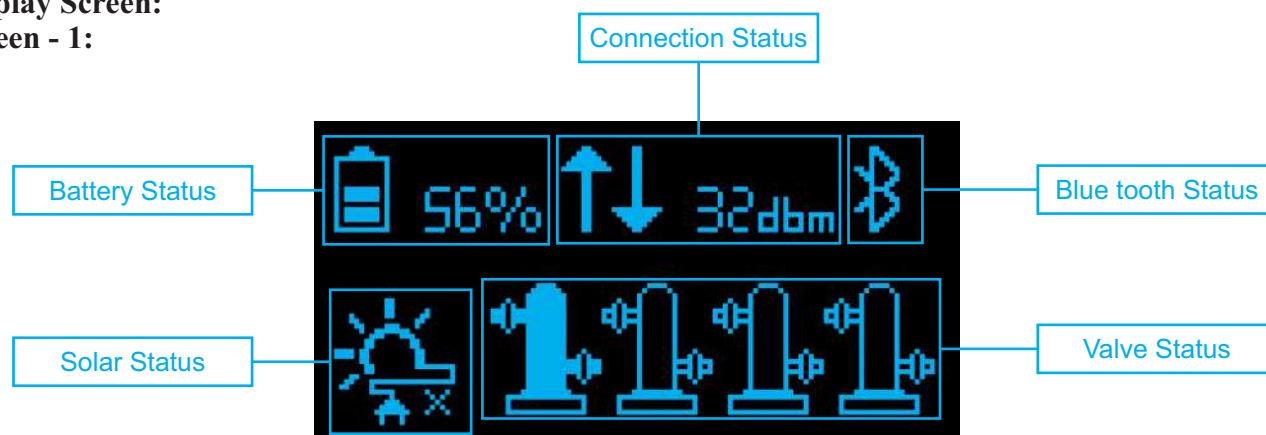
Configuration:

- After finishing wiring, touch the touch sensor, it will wake-up display.
- Long touch (3sec) to connect Blue tooth for configuration.

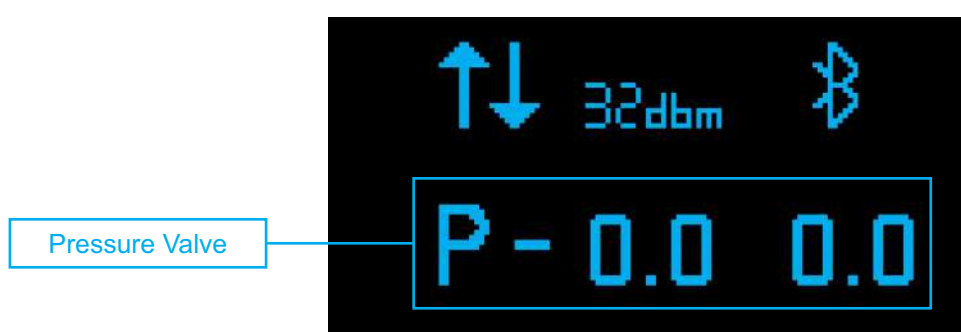




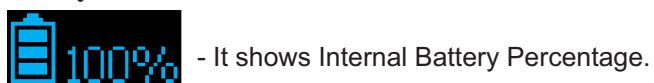
Display Screen: Screen - 1:



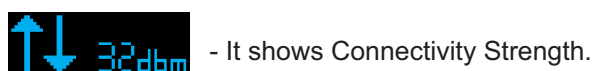
Screen - 2:



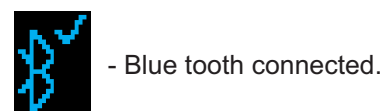
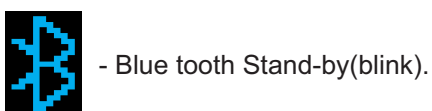
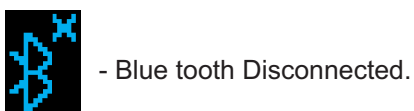
Battery Status:



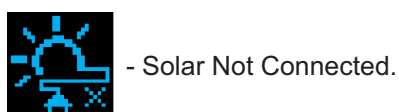
Connectivity:



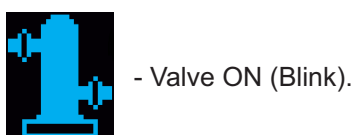
Blue tooth Status:



Solar Status:



Valve Status:



Temperature:

