



# Dcon\_Ag\_ABW - DC (Auto Backwash - DC) Field Installation Document





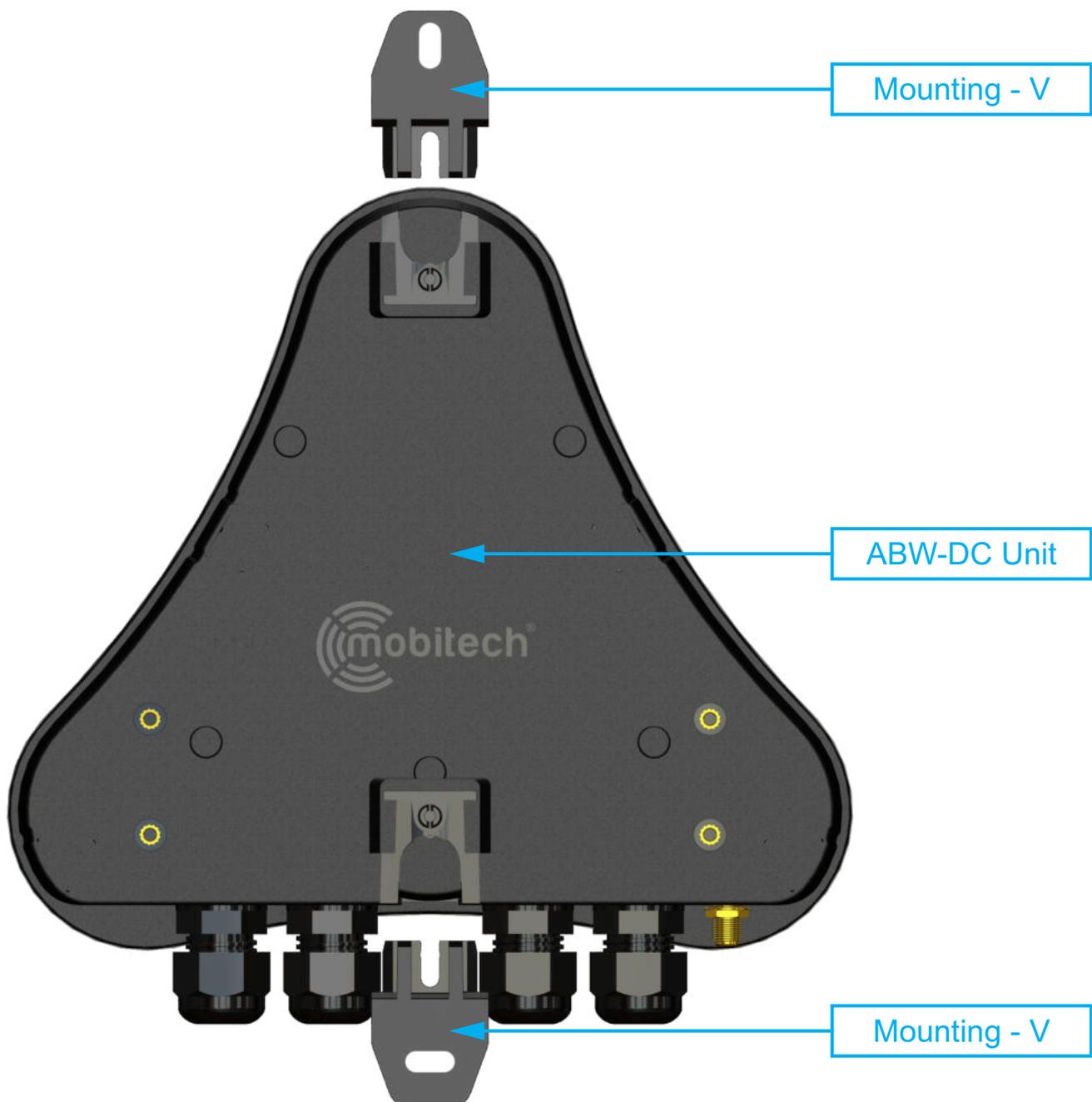
### Technical Specification:

- 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:

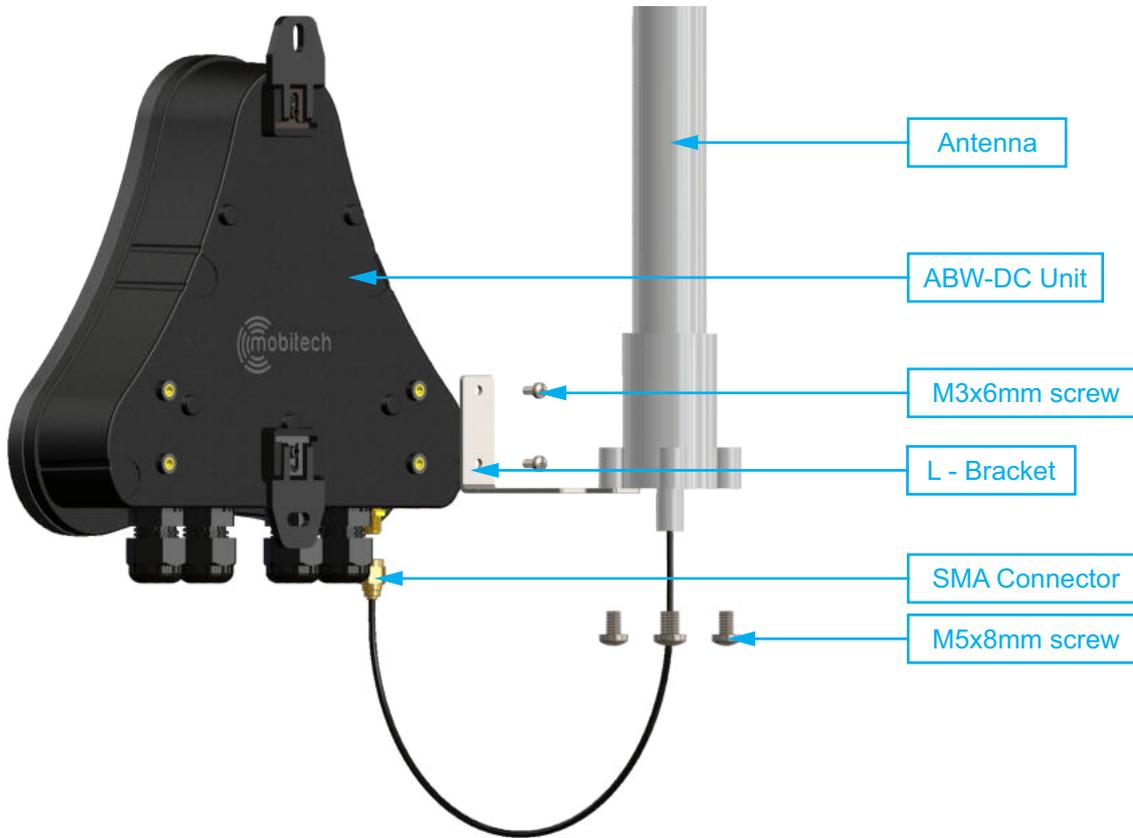
- Place V slot mounting at top side.
- Place H slot mounting at bottom side.





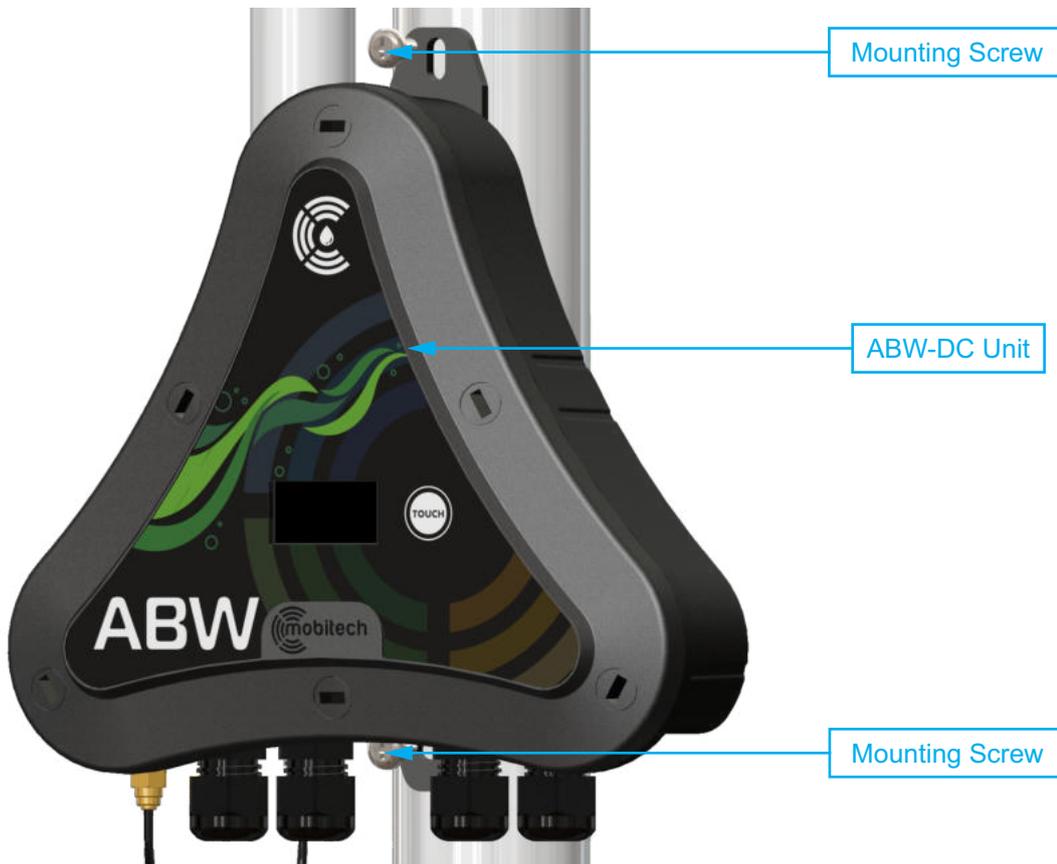
### Antenna Assembly:

- 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.



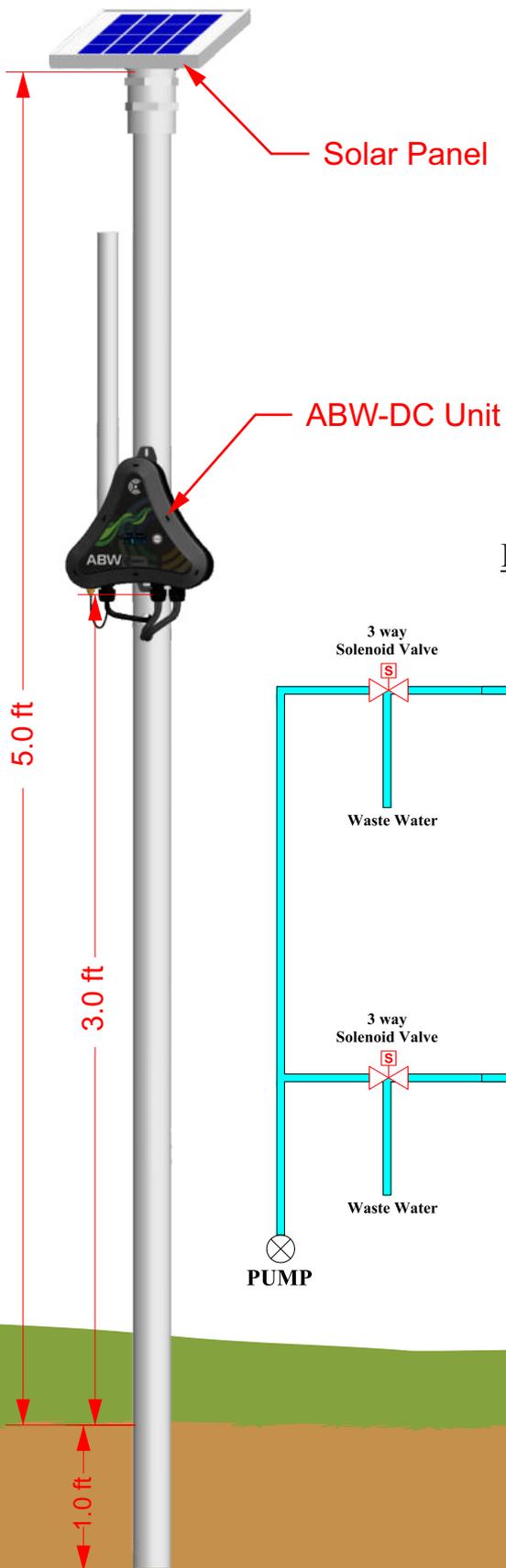
### Pole Assembly:

- Mount ABW - DC unit with screw on pole.

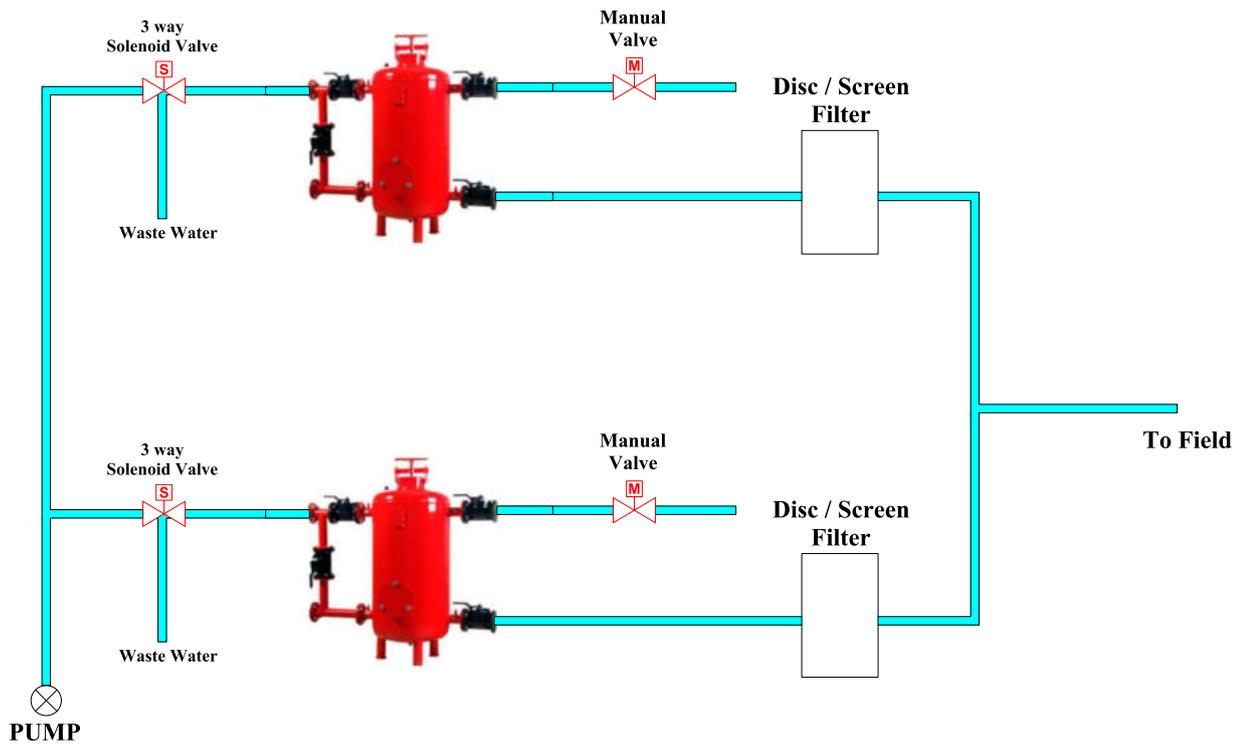




### Full Assembly:



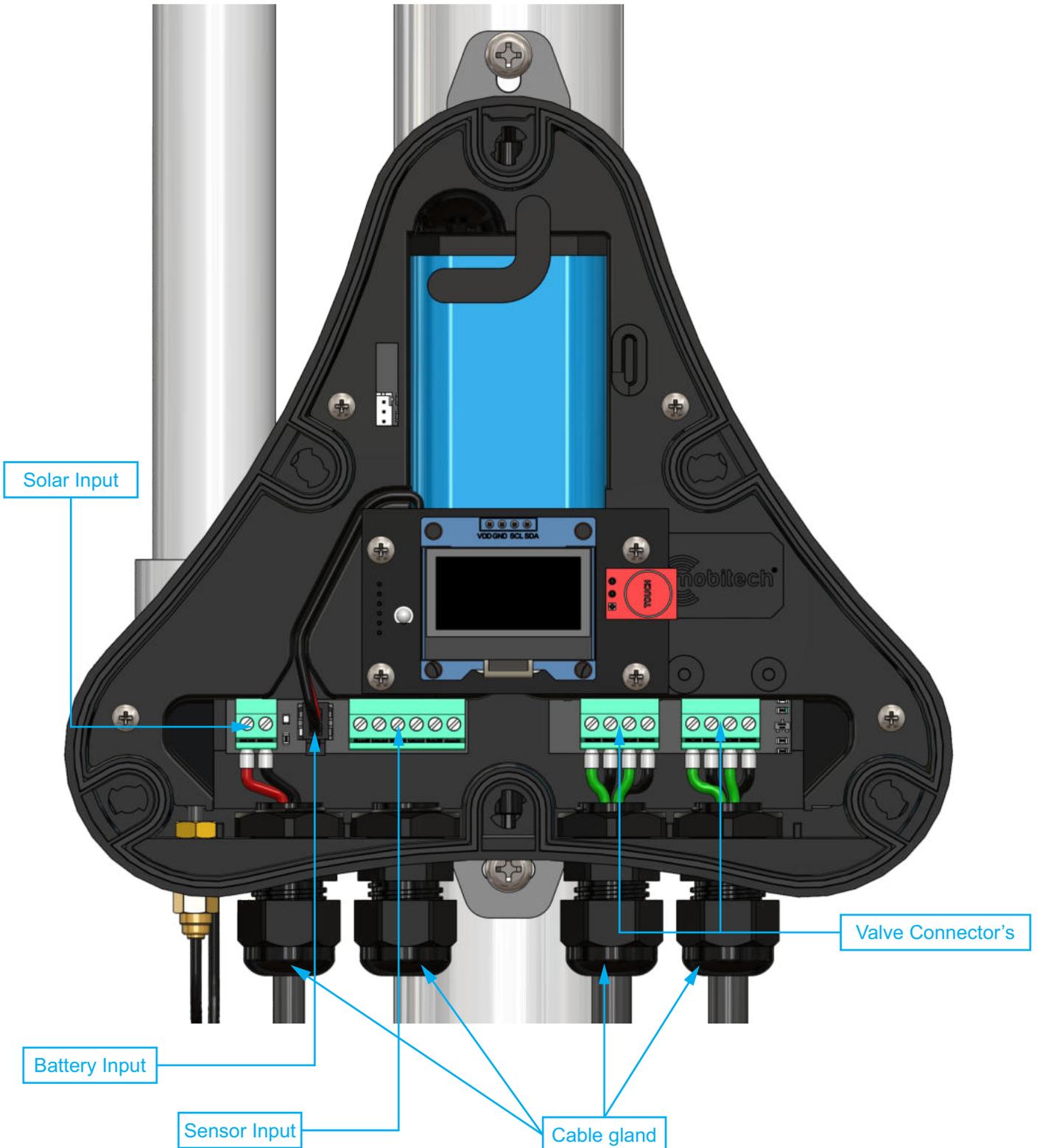
### Piping Diagram





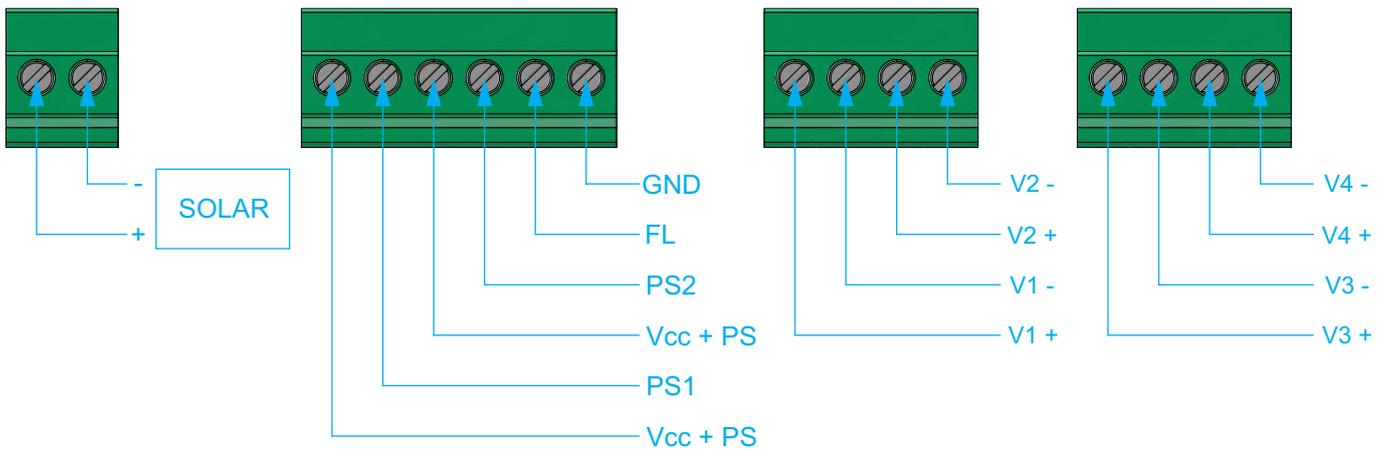
### Wiring Drawing:

- 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.



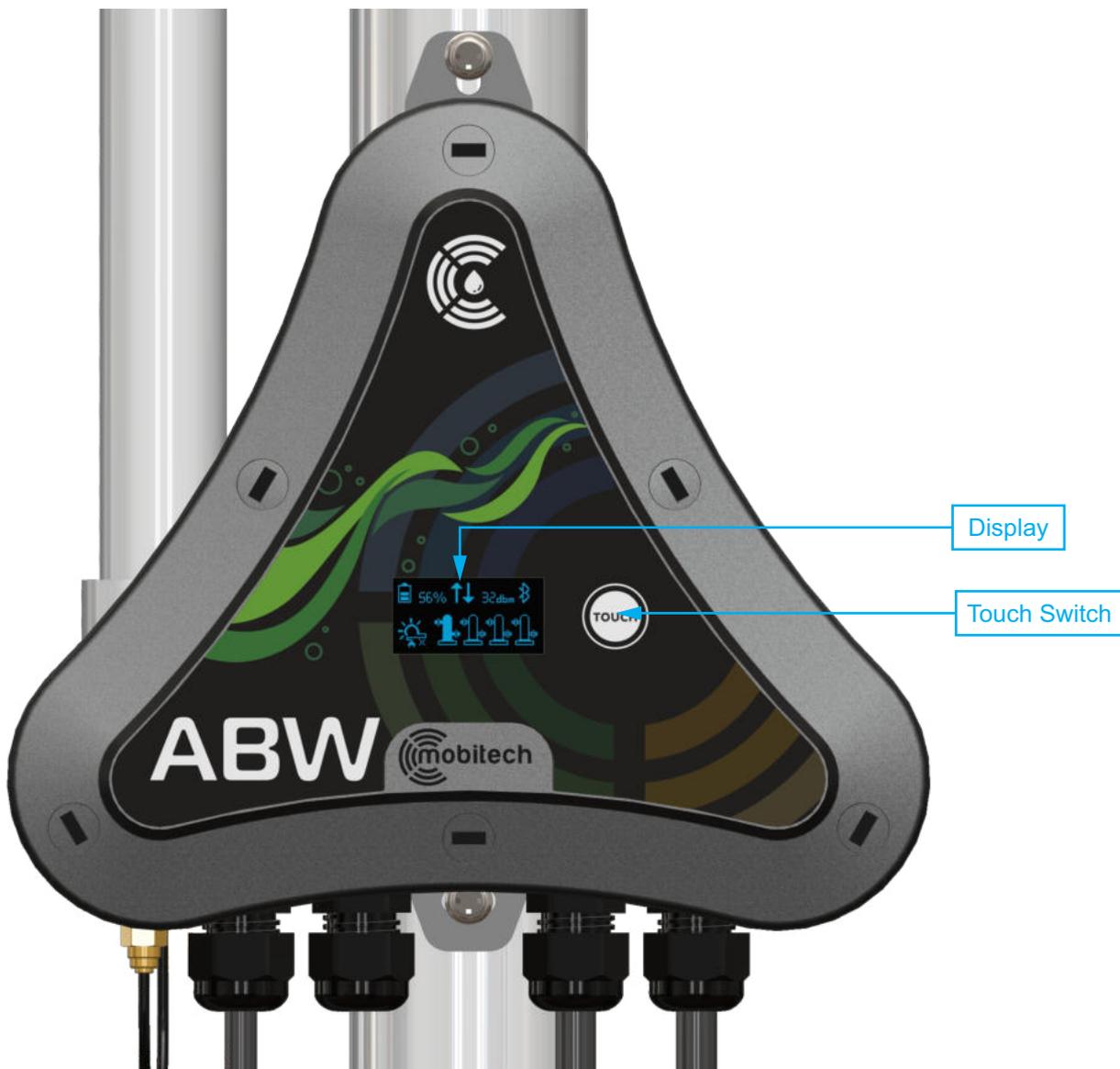


### Connector Detail:



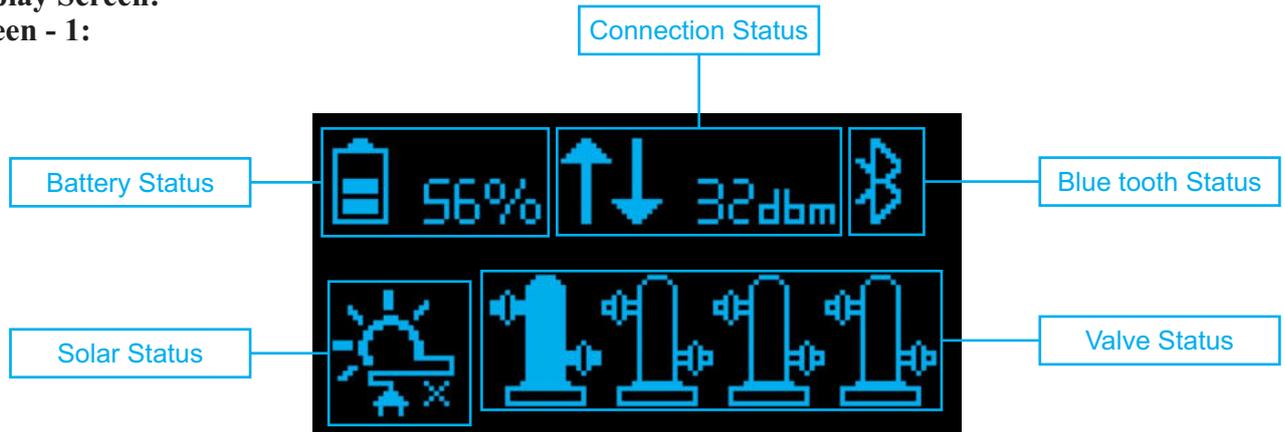
### Configuration:

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

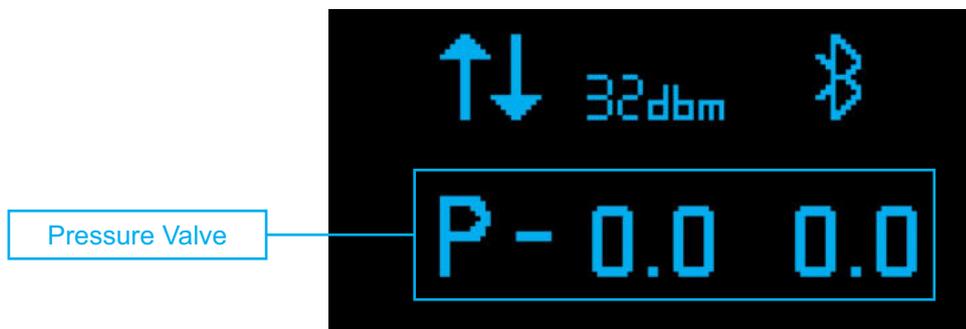




**Display Screen:  
Screen - 1:**



**Screen - 2:**



**Battery Status:**

 - It shows Internal Battery Percentage.

**Connectivity:**

 - It shows Connectivity Strength.

**Blue tooth Status:**

 - Blue tooth Disconnected.

 - Blue tooth Stand-by(blink).

 - Blue tooth connected.

**Solar Status:**

 - Solar Not Connected.

 - Solar Connected (Blink).

**Valve Status:**

 - Valve OFF.

 - Valve ON (Blink).

**Temperature:**

 - Indicated Pressure Value.