



Dcon_Ag_AWS
(Advance Weather Station)
Field Installation Document





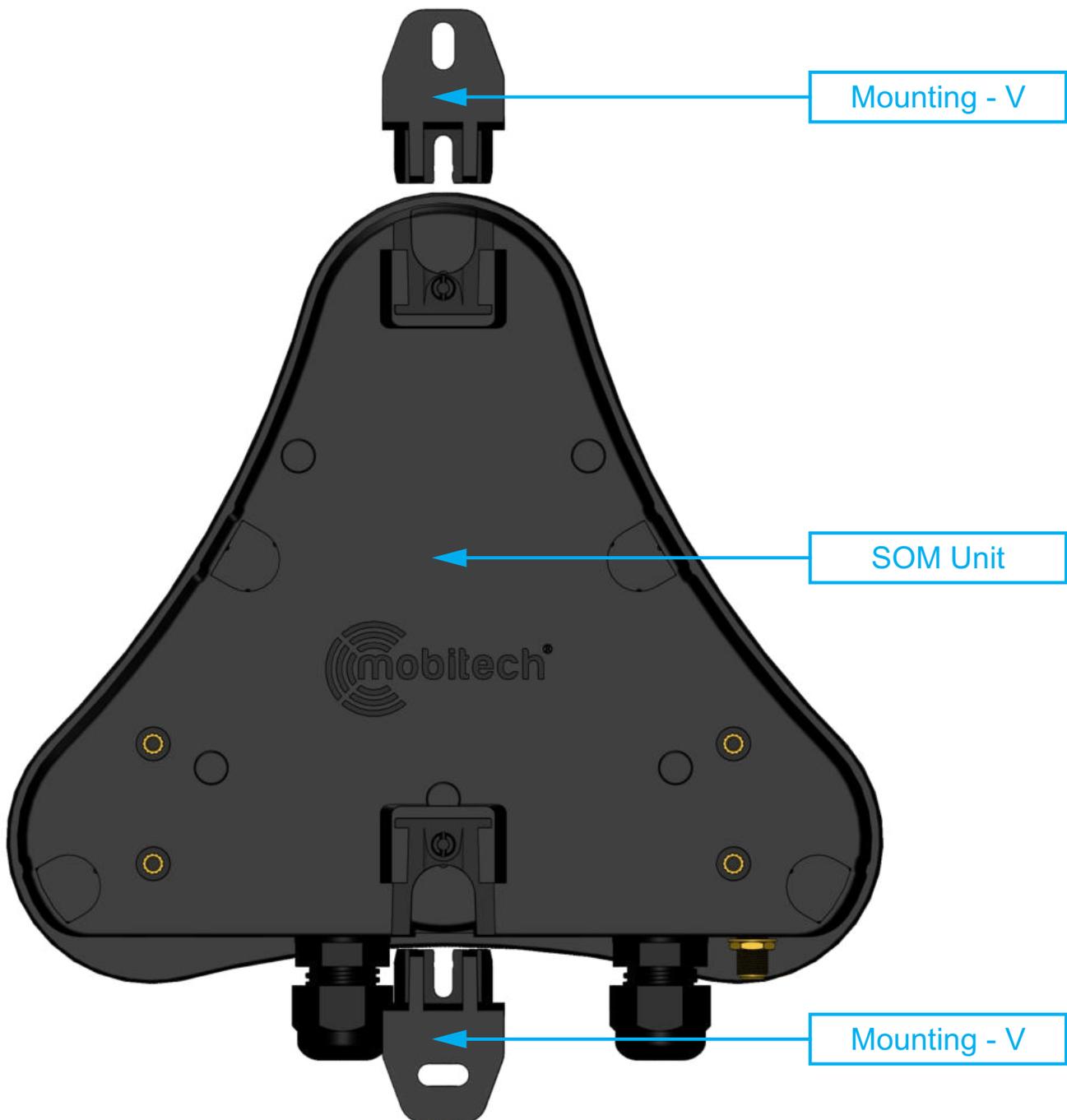
Technical Specification:

- Product Name : AWS (Advance Weather Station)
- Solar Panel : 12V/12W
- Battery : 7.4V/2.6AH
- Backup Time : 72 Hours
- Communication : LORA and Blue tooth 5.0
- GPS : Inbuilt
- Sensors : Wind speed (Anemometer), Wind Direction, Rain Gauge, Air Pressure, UV Index, Light Index, Temperature and Humidity.

Assembly Procedure:

Mounting Assembly:

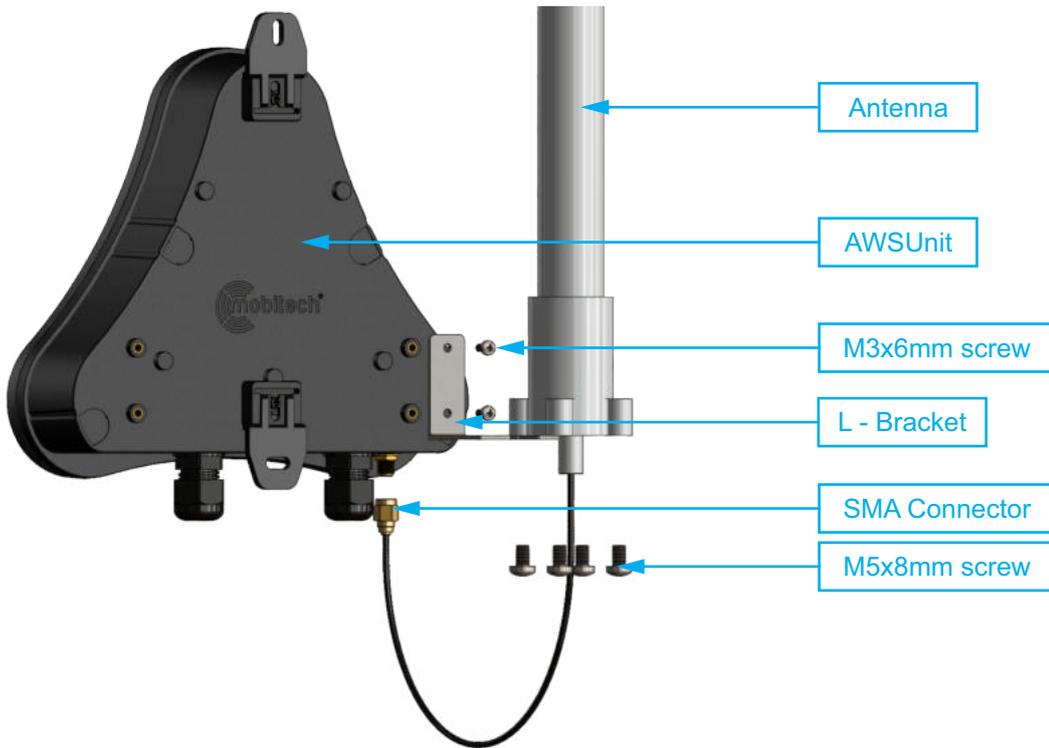
- Place V slot mounting at top side.
- Place H slot mounting at bottom side.





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 AWSunit.



Pole Assembly:

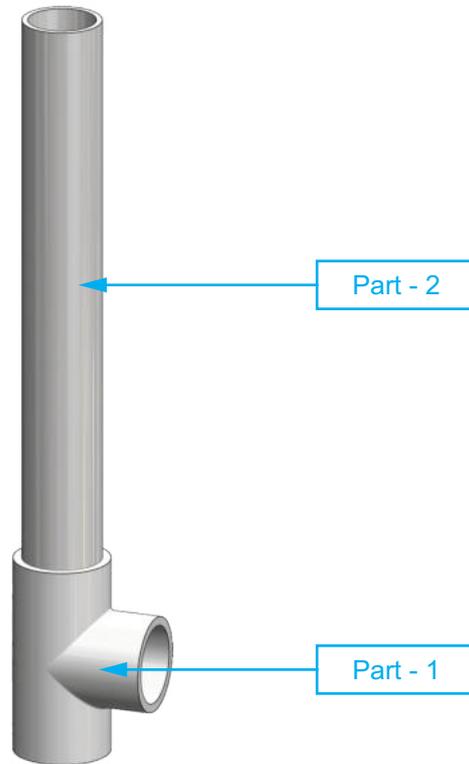
- Mount AWS unit with screw on pole.



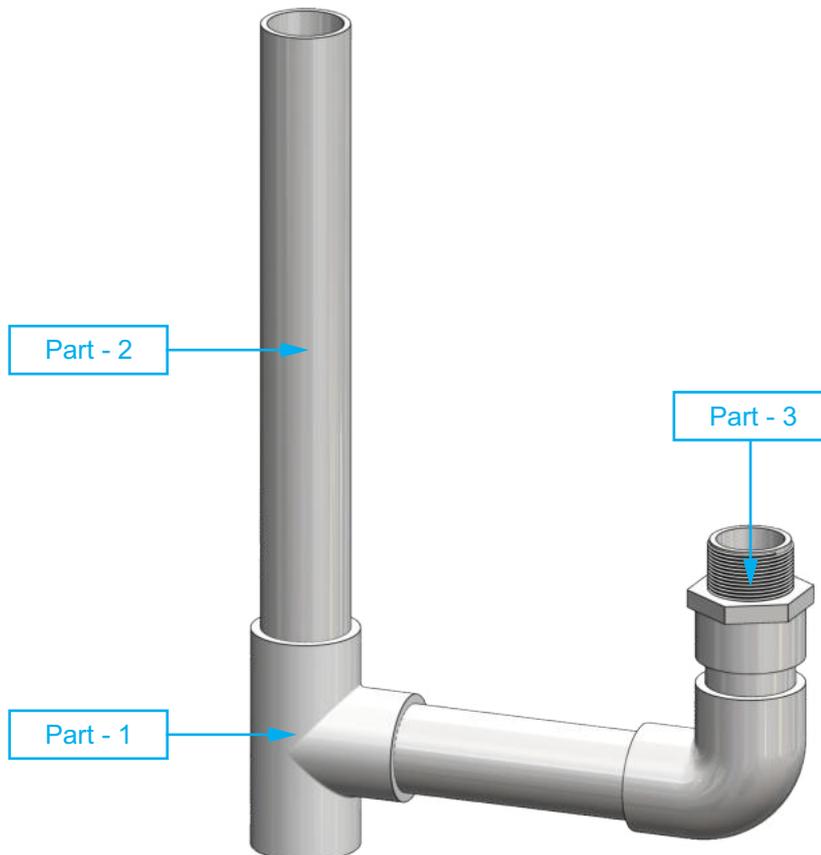


Weather station and solar panel pole assembly:

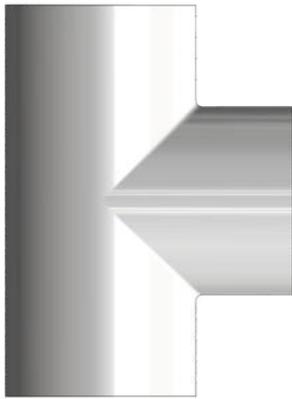
- Prepare mounting assembly before mounting on base pole.
- Inside the packing found three parts for mounting weather station and solar panel.
 - Step - 1: Connect Part - 1 and Part - 2 with paste as shown in the image.



- Step - 2: Connect first assembly with next Part - 3 with paste as shown in the image.



Part - 1



Part - 2



Part - 3



- Mount previous assembly on the base pole as shown in the image - 1.
- Mount Weather station on top of the assembly as shown in the image - 2.
- Mount solar panel as shown in the image - 3.



Image - 1

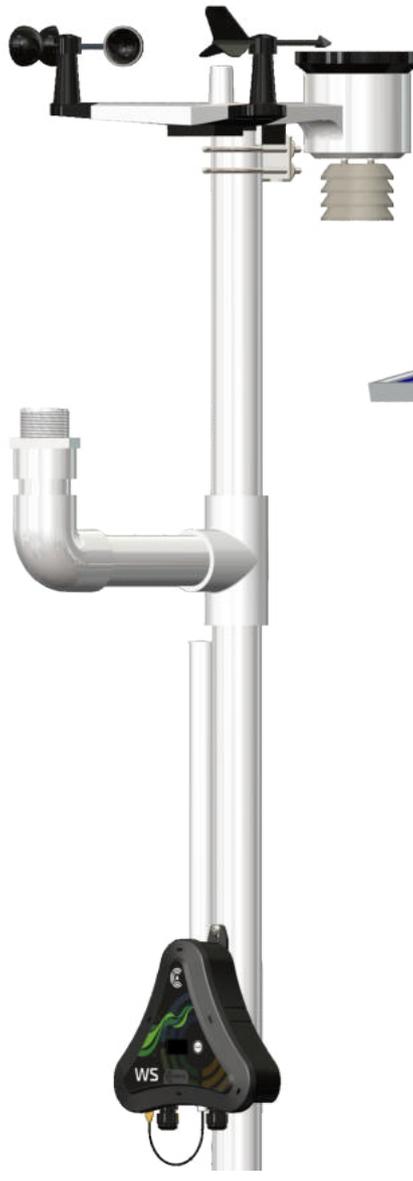


Image - 2



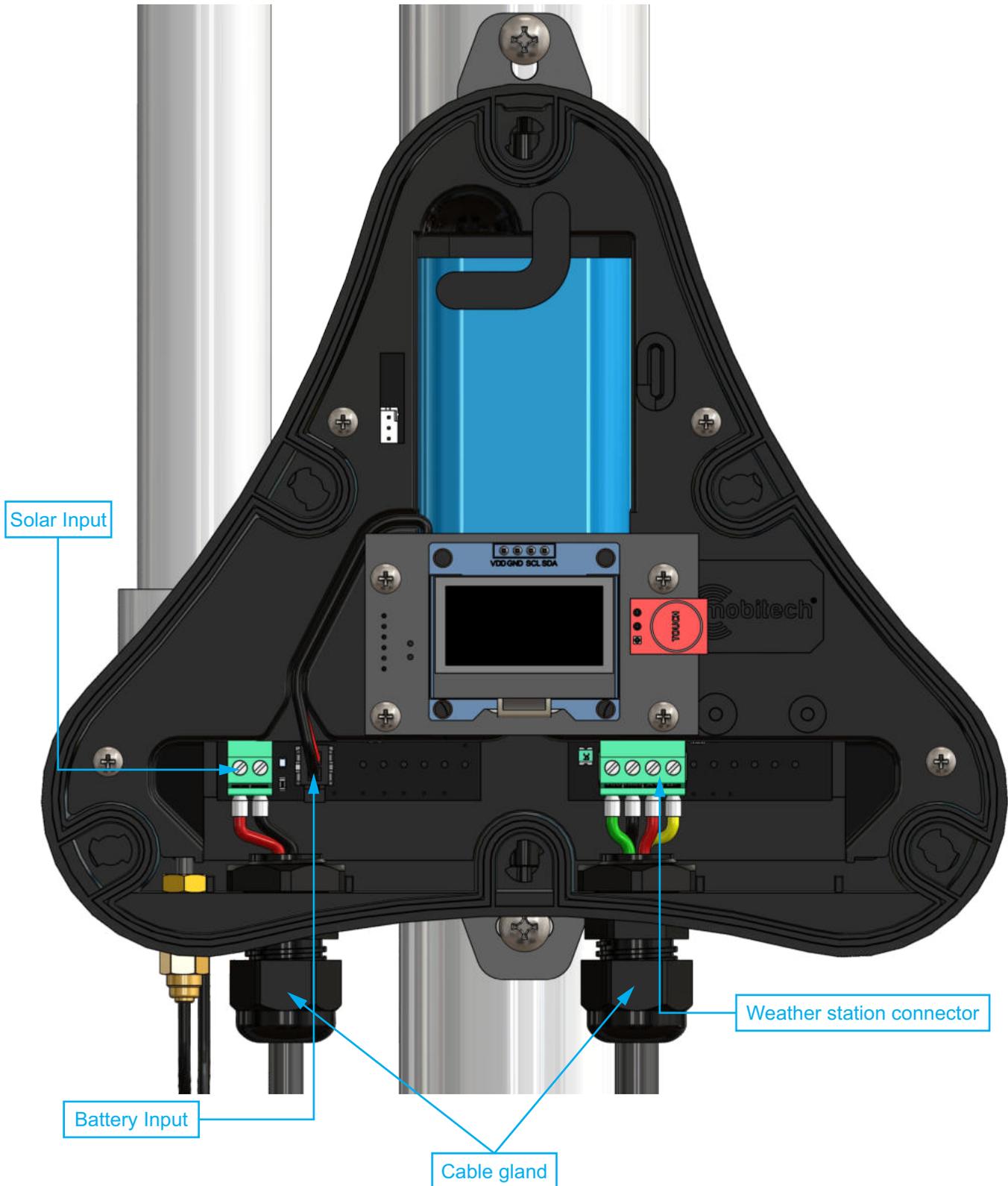
Image - 3

Full Assembly:

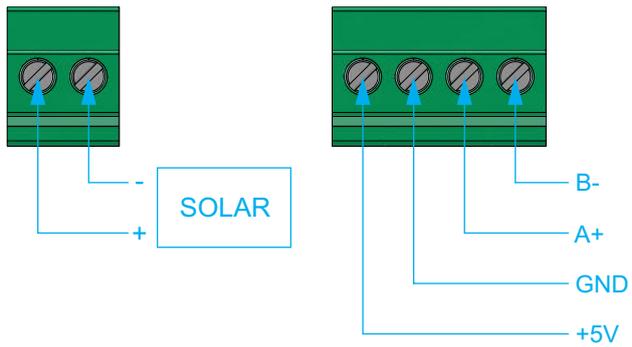


Wiring Drawing:

- 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 Weather Station Cable in to cable gland 2 and connect cable as shown in wiring diagram.
- Connect battery connector as shown in picture.
- Check all connections and ensure tight of cable gland before closing top cover.

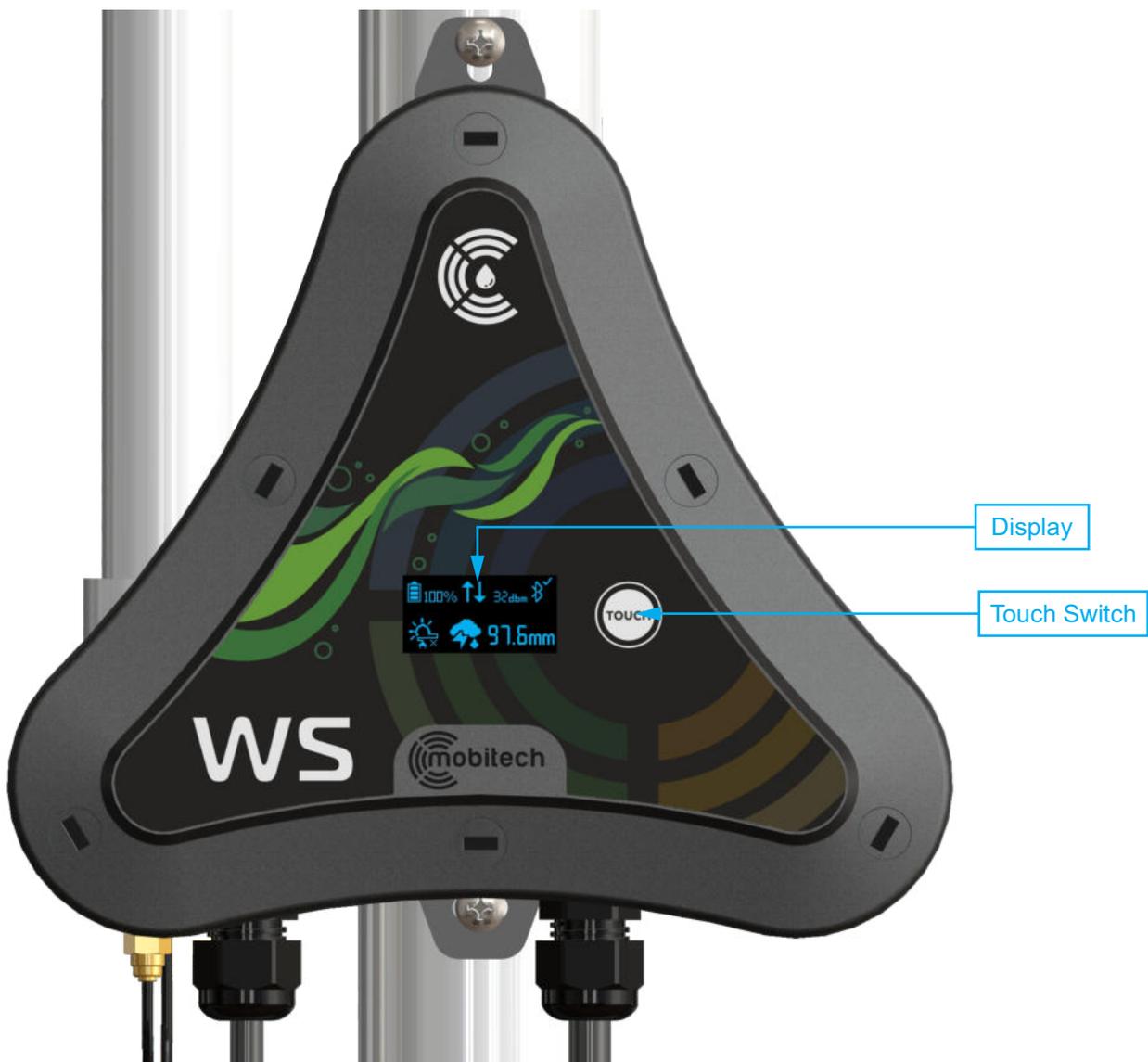


Connector Detail:

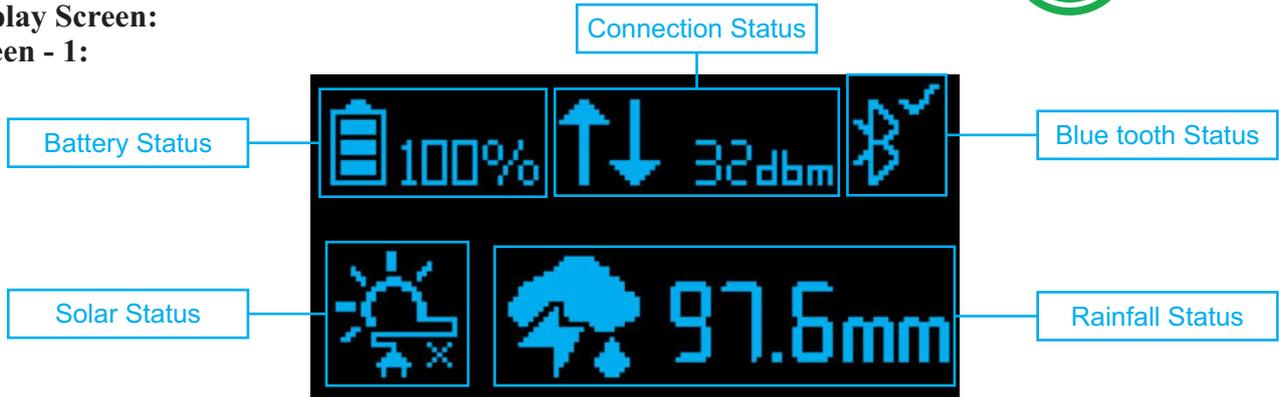


Configuration:

- 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:



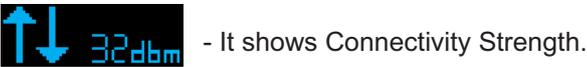
Screen - 2:



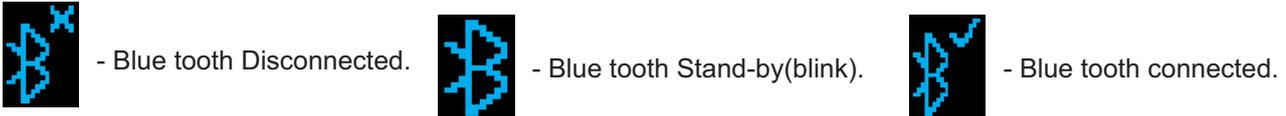
Battery Status:



Connectivity:



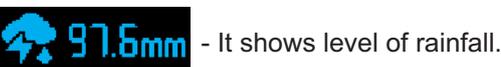
Blue tooth Status:



Solar Status:



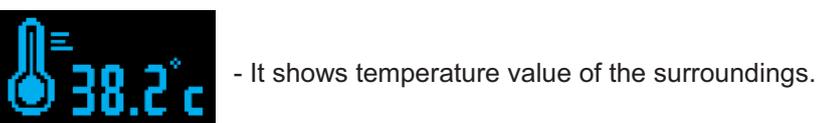
Rain Level:



Wind Speed:



Temperature:



Humidity:

