

Rainfall Sensor

- Material steel stainless body, aluminum alloy base
- Tips material white plastic
- Measuring range 0 ~ 8 mm/min
- Accuracy $\pm 4\%$ ($\leq 240\text{mm/hr}$);
- Resolution 0,2 mm
- Inner diameter 200mm/8inch $\pm 0.3\%$
- Collection area 314cm²



Flowmeter Sensor

- Speed range 0.01 m/s ~30m/s
- Speed measurement accuracy $\pm 0.01\text{m/s}$ (Radar simulator calibration)
- Speed measurement pitch angle (automatic compensation) 0°- 80°
- Speed measuring antenna beam angle 12°*25°
- Ranging blind area 8cm
- Maximum ranging range 60m
- Ranging accuracy $\pm 1\text{mm}$
- Maximum distance between radar and water surface 30m
- Communication Interface RS485 (baud rate), Bluetooth (5.2)
- Protocol Modbus (9600/115200)
- Operating temperature -20-70°
- Shell material Aluminum alloy ,PBT



TSS/Turbidity Sensor

- Measuring technology infrared scattering principle
- Measuring range turbidity: 0.01-1000NTU Suspended solids: 1-3000mg/L
- Resolution 0.01 NTU/1 mg/L
- Accuracy 5%
- Communication RS485 Modbus-RTU
- Related configuration humidity alarm
- Response time < 15s



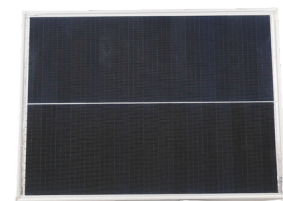
pH Sensor

- Measuring technology electrochemical glass electrode
- Measuring range pH: 0-14pH TEMP: 0~50°C
- Resolution 0.01pH / 0.1°C
- Accuracy 0.1% of the range or $\pm 0.02\text{pH}$, take the larger one; Temp: $\pm 0.5^\circ\text{C}$
- Communication RS485 Modbus-RTU
- Temp unit automatic temp compensation
- Response time < 10s



Solar Panel

- Solar panel 50WP
- Type Cell Poly crystalline/Mono-crystalline, Voltage at Pmax (Vmp) 18 V/sheet
- Short circuit current (Isc 1.24 A/sheet, Opencircuit voltage (Voc) 21.24 V/sheet, Solar cell mounting bracket included
- MPPT 600-kHz NMOS-NMOS Synchronous Buck Li-ion Chemistries 4.1V with Thermal Shutdown



Battery

- Deep Cycle VLRA Battery 3.7 Volt minimum 17Ah

