IMAIGG

21st New Grower Irrigation Assistant

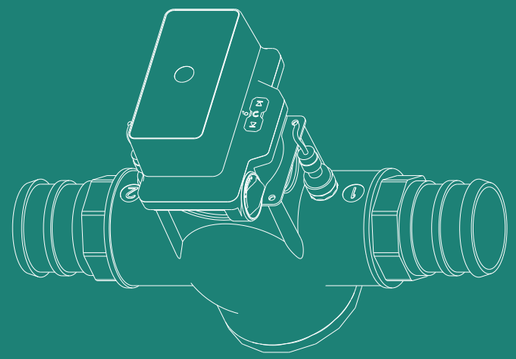
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Visit our official website to
know more from us

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IMAIGG
麦灌溉



SMART IRRIGATION SYSTEM

Equipment Manufacturer
System Integrator

IMAIGG
COMPANY BROCHURE

Irrigation AI Model
Advancing life together



21st New Grower Irrigation Assistant

"iMaigg" was established in 2009, mainly engaged in the construction of intelligent irrigation AI models ,Research and development of smart irrigation hardwares and programming.We mainly serve the agricultural irrigation, urban landscaping, and industrial drainage industries. We provide a complete set of software and hardware products, including Ultrasonic weather stations, soil sensors, smart Irrigation valves, Solar pump control systems.

We provide customized irrigation Solutions services to customers in different countries and regions around the world.

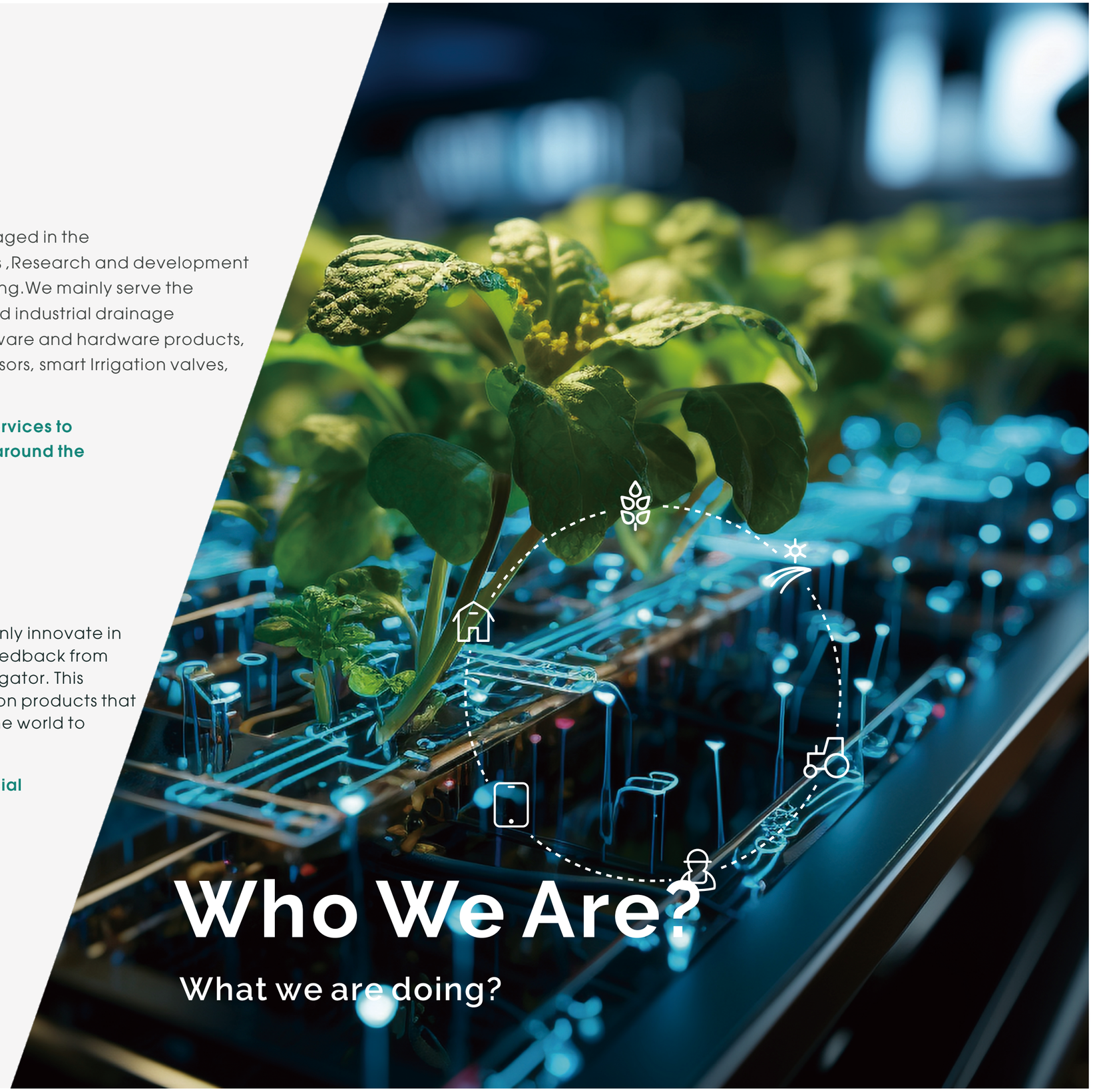
Our Visions

From the perspective of the irrigator, we not only innovate in the laboratory and factory, but also gather feedback from the fields to understand the needs of every irrigator. This allows us to design innovative, reliable irrigation products that are truly needed, enabling every irrigator in the world to maximize output while reducing labor.

Our vision is to create a truly unmanned artificial intelligence irrigation system.

25
Patent Registered

15
Innovative Technology



Who We Are?

What we are doing?

A digital Irrigation System With Artificial Intelligence

Learn More, Gain More

EazyIrrigate™ Cloud

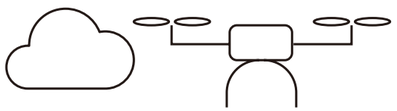
Eazyirrigate cloud is a irrigation management platform with artificial intelligence,which is a integrated solution that combines real–time monitoring, analysis, and control. it is another revolution in the agricultural field.

5 Reasons for Why

- **Smart irrigation for everyone:**
  Meets the needs, budgets, and technical levels of all types of growers
- **All–in–one integration:**
  A closed–loop mobile platform integrating monitoring, analysis, and control
- **Customized interface for farmer friends:**
  User–friendly interface, simple design, covering basic information
- **Crop models:**
  Accurate recommendations based on our years of management experience
- **Open Technology:**
  Allows third–party data access, remote access, technical support, and updates



EazyIrrigate™ System Schematic





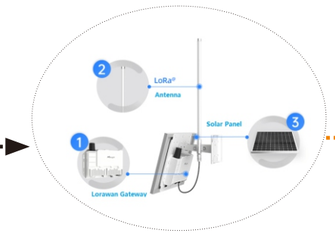
Digital Smart Irrigation Management Cloud

4G

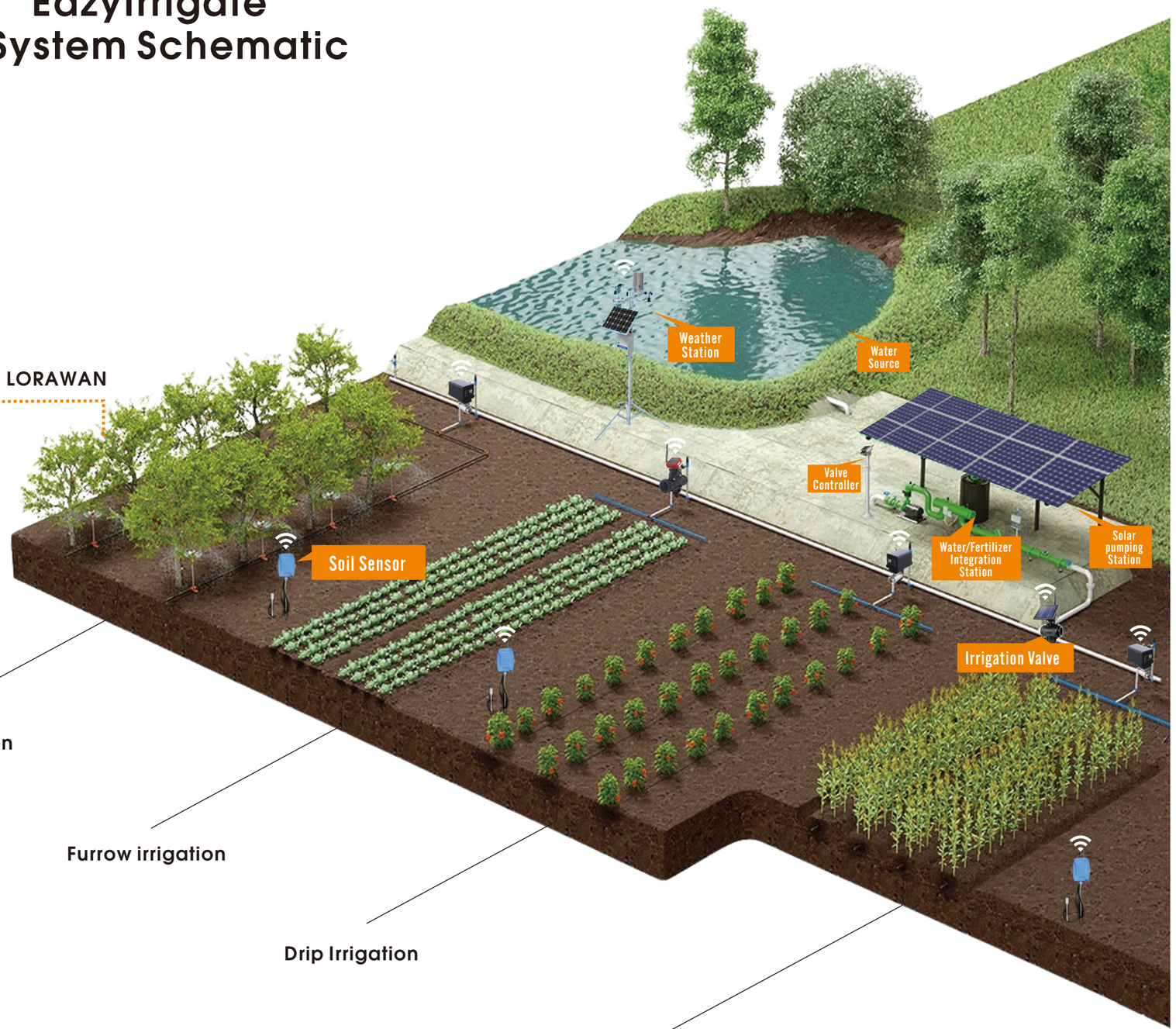


4G

LORAWAN GATEWAY



LORAWAN

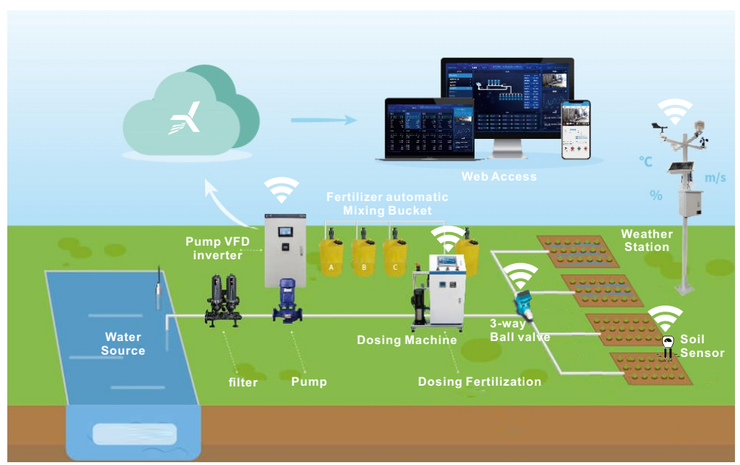


Sprinkler irrigation

Furrow irrigation

Drip Irrigation

Root irrigation





Solar Powered Two Way Ball Valve



Model : MQ–2BD
DN32/40/50/65/80/100/125/150/200/250/300



Model : MTQ–2B

4G/LoraWAN Solar Powered Two Way Ball Valve

Key Features:

– Power Supply Optional:
Solar Power: 4000mAH battery
Permanent Power:12VDC
– Valve Open Rate: 0%~100%(1% Accuracy)
– Valve Port Size:
DN32/DN40/DN50/DN65/DN80/DN100 Optional
– Input Detection: Water Pressure/Water Flow
– Network: 4G/LoraWan optional
– Waterproof Rated: Ip65
– Valve Controller Material: PVC Plastic
– Cloud Platform:
Protocol: MQTT
App/Web Management

4G/LoraWan Irrigation Valves

In order to ensure reasonable irrigation uniformity and precise delivery of water and fertilizer into the pipes safely, we equip corresponding intelligent valves based on the different characteristics and requirements of the project. These include electromagnetic valves, electric ball valves, etc., selected and sized reasonably according to different terrains, systems, and flow rates.

IP67 5G LoRaWAN

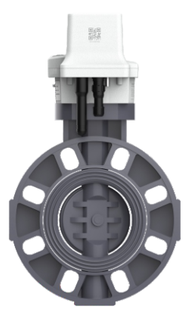


Model : MQ–3

4G/LoraWAN Solar Powered 3 Way IrrigationValve

Key Features:

– Power Supply Optional:
Solar Power: 4000mAH battery
Permanent Power:12VDC
– Valve Open Rate: 0%~100%(1% Accuracy)
– Valve Port Size: DN80/DN100 Optional
– Input Detection: Water Pressure/Water Flow
– Network: 4G/LoraWan optional
– Waterproof Rated: Ip65
– Material: UPVC(Valve),Nylon(actuator)
– Cloud Platform:
Protocol: MQTT
App/Web Management



Model : MQ–2D

4G/LoraWAN Solar Powered Butterfly Valve

Key Features:

– Power Supply Optional:
Solar Power: 4000mAH battery
Permanent Power:12VDC
– Valve Open Rate: 0%~100%(1% Accuracy)
– Valve Port Size:
DN50/65/80/100/110/125/150/200 Optional
– Input Detection: Water Pressure/Water Flow
– Network: 4G/LoraWan optional
– Waterproof Rated: Ip67
– Valve Controller Material: ABS Plastic
– Cloud Platform:
Protocol: MQTT
App/Web Management



Model : MQ–SVC20

4G/LoraWAN Solenoid Valve Controller

Key Features:

– Power Supply Optional:
  Solar Power: 4000mAH battery
  Permanent Power:5–24VDC
  Non–Charge Big capacity Battery: 19000mAH
– Valve Control numbers: 2 x latching valves
– Input Detection: Rain sensor, Soil Sensor, Water Meter,valve Status
– Network: 4G/LoraWan optional
– Waterproof Rated: Ip67
– Cloud Platform:
  Protocol: MQTT
  App/Web Management



Model : MQ–SVC40

Wifi 8 Zones Sprinkler Controller

Key Features:

– Power Supply :
  AC Adapter: 100–250V AC
  Controller Input Power:24V AC
– Valve Control numbers: 8 x valves (zones)
– Input Detection: Rain sensor
– Network: Wifi 2.4G
– Waterproof Rated: Ip55
– Cloud Platform: Tuya



Model : MQ–IO30

Wifi 1 Zone Sprinkler Controller

Key Features:

– Power Supply :
  Input: 100–250V AC
  Controller Output Power:5V DC/100–250v AC
– Valve Control numbers: 1 x valve (zones)
– Input Detection: Dry Contact x 1
– Network: Wifi 2.4G
– Waterproof Rated: Ip55
– Cloud Platform: Tuya



Smart Irrigation Valve Controllers

Whether it is for home garden irrigation sprinklers, agricultural and landscape drip irrigation, electromagnetic valves are widely used. Our WiFi, 4G, and LoRaWAN electromagnetic valve controllers are carefully designed to meet the needs of different network scenarios and considered rain proof. They allow user to operate them freely through a mobile app

IP67 5G LoRaWAN

Water Pipe Flow Sensor



Model : MTQ–FS80

Key Features:

Output signal: Pulse
Pipe Size:
DN25/DN32/DN40/DN50/DN65/DN80
Operating Voltage:DC3–24V
Working Current:<15mA
Environmental Temp:–10 ~70
Max Pressure:<2.0Mpa
Accuracy: 3%

Water Pipe Pressure Sensor



Model : MQ–S5

Key Features:

IP rated: Ip67
Sensor Signal: 485
Monitoring factors:
Temp/Humidity/N–P–K
Working Power:Solar Battery
Environmental Temp:–10℃~70℃



Irrigation Sensors

Sensors play an indispensable role in irrigation systems. By detecting environmental parameters such as soil moisture, air temperature, and light intensity, they can monitor the water needs of plant growth and the moisture level of the soil in real time, providing crucial data support for the irrigation system. With this data, the irrigation system can achieve precise, quantitative watering, avoiding water waste and over–irrigation, while also improving crop yield and quality.





all–in–one Ultrasonic Weather station

Key Features:

– All–in–one Design
– Working Power:
Solar Battery 4000mAH, solar panel 6V/8w
– Sensor Output: RS485
– Monitoring factors:
Temp/Humidity/Wind/Air pressure/
CO2/Rainfall/Luminance
– Network:
4G/LORAWAN



Irrigation System Accessories

4G/LoraWan DTU

Key Features:

– Power Supply Optional:
Solar Power: 4000mAH battery
Permanent Power:5–24VDC
Non–Charge Big capacity Battery: 19000mAH
– Input Detection:
Rain sensor x1
Soil Sensor x 1 RS485
Water Meter x 1 Rs485
flow meter x 2 pulse signal
– Waterproof Rated: Ip67
– Cloud Platform:
Protocol: MQTT
App/Web Management

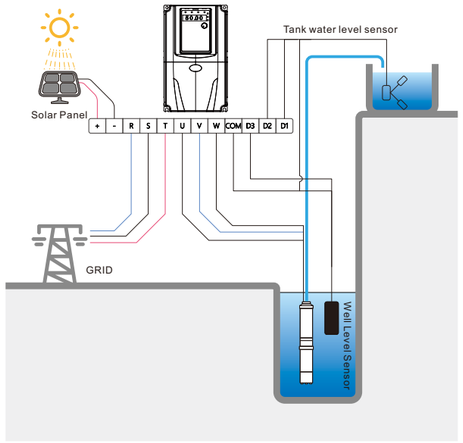


Model :
MTQ–DTU200

APP controlled Solar Pump Inverter



Model :
MTQ–VFD100



Key Specification

Parameter	Description	
	220V Inverter	380V Inverter
Input DC Voltage Range	280~400V	480-750V
Max Input DC Votage Range	400V	750V
Recommend MPPT Voltage Range(Vmp)	280~350V	480-600V
MPPT Efficiency	99.90%	
Input AC Voltage Range	1 Phase/3 Phase 220/230/240V	three phase 380/400/415/440V
Output AC Votalge Range	1 Phase/3 Phase 0-220/230/240V	Three Phase 0-380/400/415/440V
Output Frequeny Range	0-300Hz	
IP rated	IP20	

Model :
MQ–SG50

Outdoor 4G/LoraWan Gateway

Key Features:

Power:
Solar power with 25Ah rechargeable battery, DC12/24V
Consumption: 0.8W
Network conneciton:
wifi and 4G interface with external antenna
Lorawan:
8 channles, global bands available, Protocol Class A/B/C V1.0/V2.0
Glass Antenna
Hardward system:
Dual–core 240MHz,8MB PSRAM, flash 16MB
GPS included
IP67 Rated

Our Irrigation **Project Service**

We always provide support **From Start To Finish**

Throughout the entire project lifecycle, we provide comprehensive services through four stages as follows.

1 **Initial Design**

2 **Planning and Design**

3 **Project Implementation**

4 **Operations and Training**

PROJECTS / Various Scales/Climatic conditions /Different countries



We provide professional Irrigation Projects for different Clients



Farm Growers



Professional Companies



Investors



Turnkey Projects





IOT System Integrators

