



Pioneer in sustainable farming solutions allowing farmers to double their profits while reducing carbon emissions



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Our Story



Climate change poses a significant threat to our environment, societies, and economy, endangering well-being and prosperity. By 2030, with a global population of nearly 9 billion people, we'll require 50% more food, 45% more energy, and 30% more water while reducing emissions. Agriculture currently contributes 30% of all global emissions. Agros aims to tackle these urgent challenges by closing the yield gap and decarbonizing agriculture.

Committed to climate action and rural prosperity, we registered our company in Singapore in 2019. We provide cutting-edge products and services tailored to modern farming needs, maximizing productivity while minimizing environmental impact.

Now, with subsidiaries in Myanmar, Cambodia and Indonesia, we work with over 6,000 farmers on 13,000 hectares, aiming to impact 150,000 farmers within 5 years. Our goal is **to be the leading sustainable solution provider for crop farmers across Southeast Asia.**

Agros Milestones



Who We Are?

A multicultural, multi-country team of business and agronomy professionals committed to support farmers and the climate in Southeast Asia.

Our Vision

A world with smallholder farmers feed the planet in a profitable and sustainable way.

Our Mission

Double the income of fruits and vegetables farmers while making their farm climate-resilient for generations to come.

Our Values



Farmer's
first



Long term
sustainability



Solutions
-oriented



Transparency

Operational Locations



Our Impact

Beneficiaries
reached to date

30K+

through 6k+ farmers

Hectares irrigated
to date

14+ha

Fuel savings
generated to date

US\$ **11.3** m

CO2 emissions
reduced to date

35k+ ton

5 Advantages of Agros Pump



Durable Materials

Crafted from high-quality materials tested to withstand extreme heat, heavy rain, and tough field conditions. Agros Pump is built to last for years, saving you from frequent replacements every season.



Modular Design

The pump's modular structure allows easy replacement or addition of components as needed. Flexible for various land types and water sources, and easily upgradable for increased capacity in the future.



Plug & Play

No complicated installation or specialized technician required. Simply set it up, turn it on, and the pump is ready to deliver water to your fields. Perfect for farmers who want quick results without wasting time.



Easy Maintenance

A simple design makes servicing faster, easier, and more cost-efficient. Farmers can even maintain the pump themselves without waiting for a technician.



Remote & PayGo

Equipped with remote control technology, you can operate the pump directly from your phone. With the PayGo feature, you have flexible payment options that fit your needs and budget.





Product Application



Farmers often ask **"Which pump is right for me?"**

To answer that, we need to highlight the strengths of each option in simple, practical language, directly connected to real farming conditions.

Surface vs Submersible

SURFACE



Easy to install and maintain, perfect for shallow water sources like rivers or ponds.

SUBMERSIBLE



The right choice for deep wells, quiet, safe, and reliable without suction limits.

Case Example: "For water from a pond or canal, a surface pump is enough. But if water is 50 meters underground, a submersible pump is the only solution."

DC vs AC/DC

DC ONLY



Cost-efficient and ideal for farmers who irrigate only during the day with strong solar power.

AC/DC



Flexible and dependable anytime day, night, or cloudy weather. Perfect for high-value crops that require precise irrigation schedules.

Case Example: "Corn farmers can rely on DC during daylight. But melon or citrus growers who can't risk late irrigation need the reliability of AC/DC hybrid."

Fixed vs Mobile Stand



Strong, permanent, and suitable for large areas that require stable irrigation throughout the year.



Flexible and portable, great for smallholder farmers with multiple or rented plots.

Case Example: "A 10-hectare rice field works best with a fixed stand. But if the land changes every season, a mobile stand makes life easier."

Surface Pump



Main applications

- Agriculture irrigation
- Livestock feeding
- Domestic water
- Pushing water from river or open water source

Key features

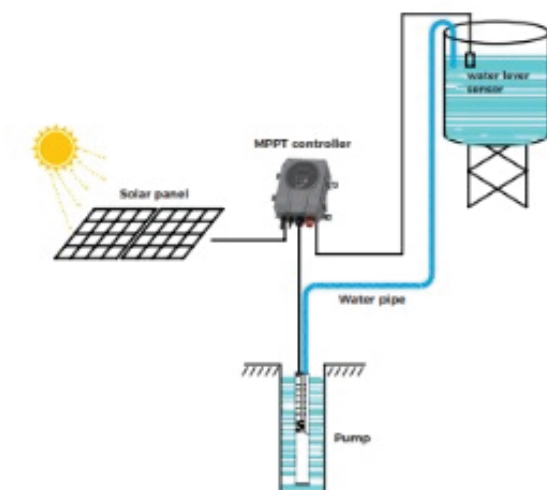
- PMSM brushless high efficiency motor
- 100% copper windings
- Cast iron pump body with coating treatment
- Brass impeller
- NSK Bearings

Pump advantages

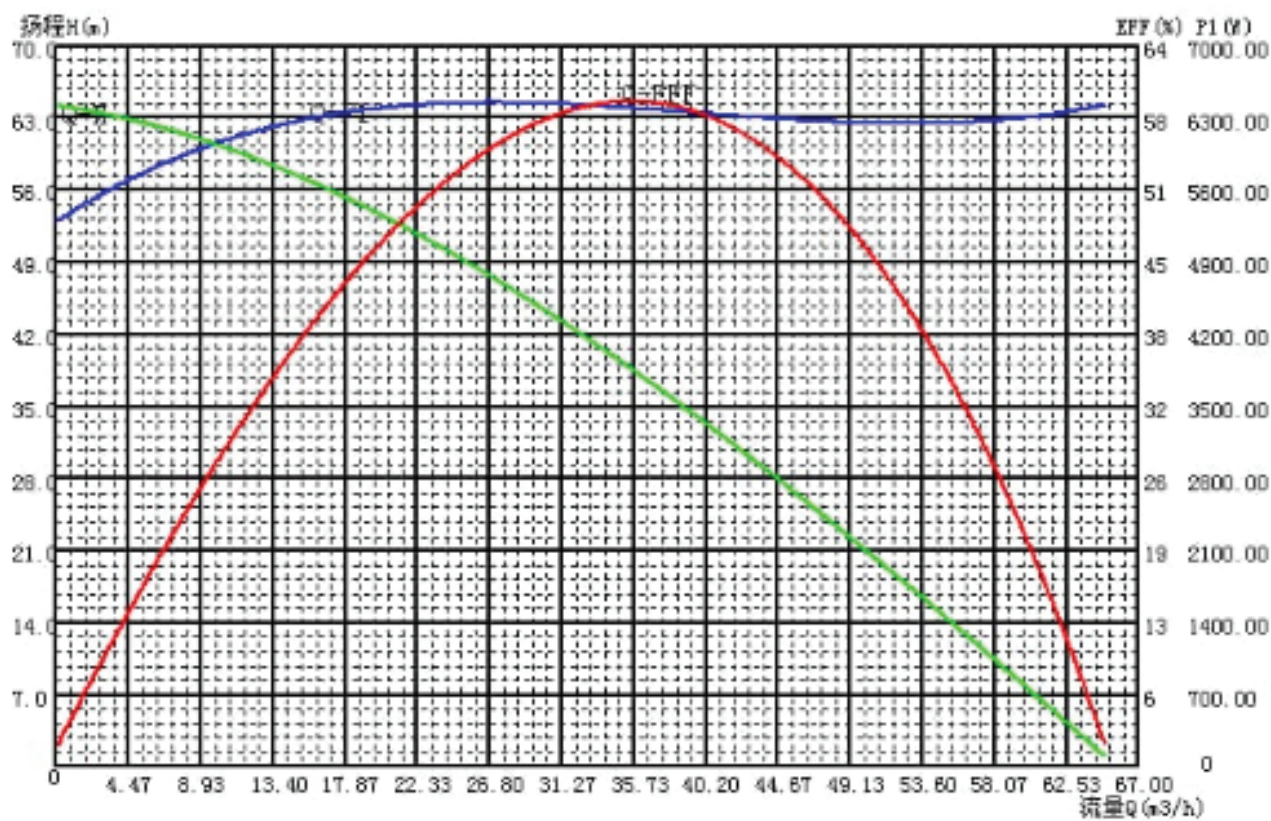
- Low maintenance
- High durability
- Mobile bracket
- High efficiency
- High flow
- IP55 motor
- Ambient temperature -15 - 60 C
- Deigned for VFD application
- Auto start & stop functions

Recommended crops

- Staple Crops: Corn, Cassava, Lentils, Sesame, Rice, Sugarcane
- Fruits: Bananas, Papaya, Tomatoes, Chili Peppers, Eggplant, Coffee, Palm Oil, Mango, Orange, Lime, Guava, Jackfruit, Durian, Rambutan
- Vegetables: Tomato, Chili, Eggplant
- Other: Coffee, Palm Oil, Rubber Trees, Pomegranate



Type	Power (Hp)	Optimum Head (m)	Optimum Flow (1000L/hr)	Outlet (inch)	Warranty	Solar Panels
PowerFlow 1	1	8-12	12-19	2	2 years	2-3
PowerFlow 1.5	1.5	6-13	9-21	2	2 years	3-4
PowerFlow 2	2	5-11	20-45	3	2 years	4-5
PowerFlow 3	3	9-15	25-42	4	2 years	6-7
EcoSF 1	1	8-12	12-19	2	1 years	2-3
EcoSF 1.5	1.5	6-13	9-21	2	1 years	3-4



Submersible Pump



Main applications

- Agriculture irrigation
- Livestock feeding
- Domestic water
- Lifting Clean water supply from wells or reservoirs

Key features

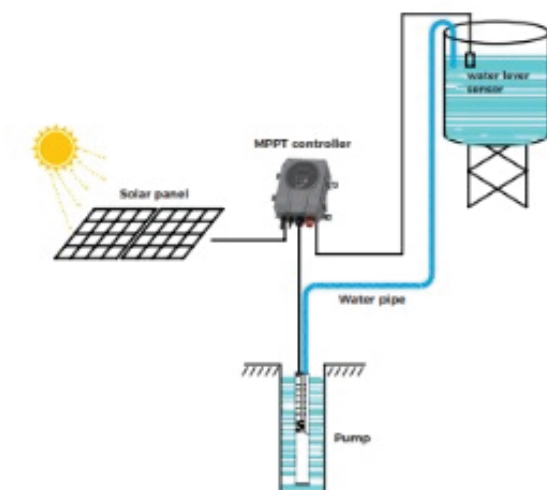
- High precision CNC machined shaft
- AISI 304 impeller, diffuser, and shaft
- AISI201/AISI304 Oil chamber, pump/motor barrel
- Durable NSK bearings

Pump advantages

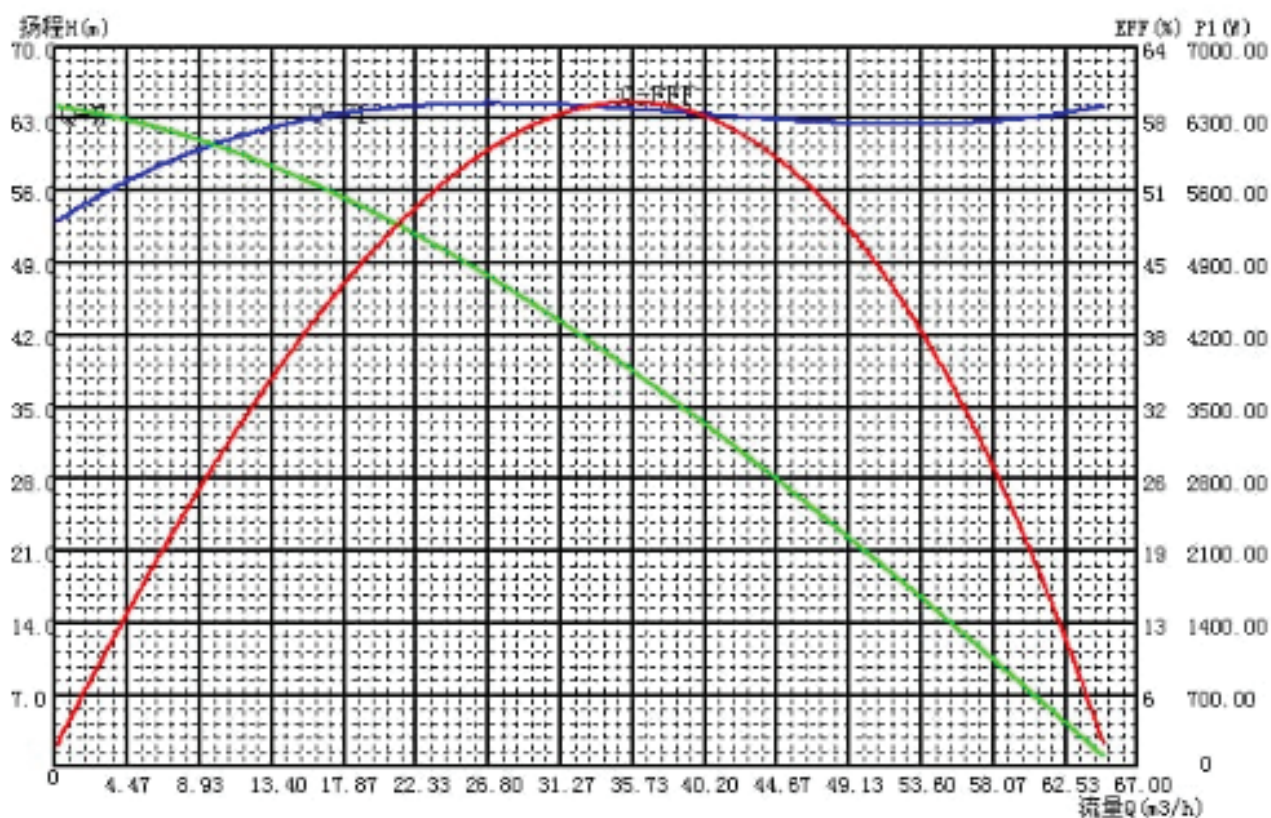
- Low maintenance
- High durability
- Mobile bracket
- High efficiency
- High flow
- Supports both DC only or AC/DC controllers
- Deigned for VFD application
- Auto start & stop functions

Recommended crops

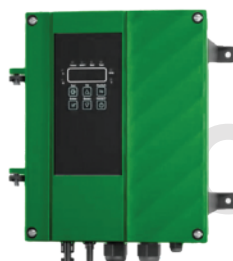
- Staple Crops: Paddy (rice), Wheat, Sugarcane, Corn, Cassava
- Vegetables: Tomato, Chili, Eggplant, Okra, Cucumber
- Fruits: Banana, Papaya, Mango, Orange, Lime, Guava, Jackfruit, Durian, Rambutan
- Other / Industrial Crops: Coffee, Palm Oil, Rubber Trees, Lentils, Sesame



Type	Power (Hp)	Optimum Head (m)	Optimum Flow (1000L/hr)	Outlet (inch)	Warranty	Solar Panels
DeepFlow 1-20	1	10-24	6-12	2	2 years	2-3
DeepFlow 1.5-10	1.5	6-12	12-24	3	2 years	3-4
DeepFlow 1.5-20	1.5	15-35	5-11	2	2 years	3-4
DeepFlow 2-10	2	10-20	8-20	3	2 years	4-5
DeepFlow 2-20	2	20-32	6-12	2	2 years	4-5
DeepFlow 2-50	2	30-70	3-7	2	2 years	4-5
DeepFlow 3-15	3	10-25	13-30	3	2 years	6-8
DeepFlow 3-25	3	15-33	10-20	2	2 years	6-8
DeepFlow 3-40	3	30-55	6-12	2	2 years	4-5
DeepFlow 5-10	5	10-20	40-80	4	2 years	12
DeepFlow 5-20	5	11-36	15-50	3	2 years	12
DeepFlow 7.5-10	7.5	10-24	40-90	4	2 years	15
DeepFlow 7.5-20	7.5	15-60	15-55	3	2 years	15
DeepFlow 10-10	10	8-17	80-180	6	2 years	24
DeepFlow 10-30	10	17-65	20-75	4	2 years	24



Controller



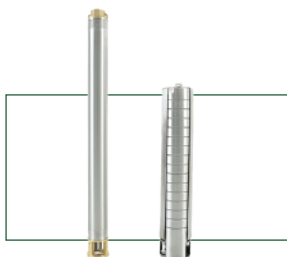
DC
ONLY



AC/DC

Type	Max. Input Current (A)	Max. Input Current (V)	Recommended MPP Voltage	Rated Output Current	AC Output Voltage	AC Output Frequency	MPPT Efficiency	Rated Conversion Efficiency
AGS-DC750	17	170	90-120	14	72	200	99%	>96%
AGS-DC1500	17	220	110-150	15	110	200	99%	>96%
AGS-HV1500	17	450	110-350	15	110	200	99%	>96%
AGS-AD1500	17	450VDC 280VAC	110-350VDC 1PH 85-280VAC	15	110	200	99%	>96%
AGS-AD2200	17	450VDC 280VAC	200-350VDC 1PH 85-280VAC	13	200	200	99%	>96%
AGS-AD4000	25.5	780 VDC 528 VAD	500-750 VDC 3PH 323-528 VAC	10	500	200	99%	>96%
AG-DPG750	15	150	>90	15	72	200	99%	>98%
AG-DPG1500	15	200	>120	15	110	200	99%	>98%
AG-APG2200	13	440VDC 265VAC	>180VDC 1PH 150-265VAC	11	200	200	99%	>96%

Spare Parts & Accessories



Pump Head

Compatible with existing systems, available in various specifications for different well conditions, ideal for replacing worn impellers or adapting to new operational environments.



Motor

Available for existing system compatibility, designed to restore operation in case of motor damage or failure.



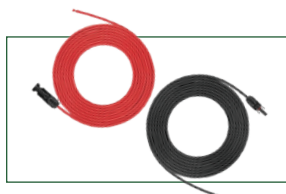
Electrical Protections

IP44-rated enclosure for DC protection components, providing safe, organized, and weather-resistant housing for breakers, surge protection devices, and encloses the pump controller.



Remote Monitoring

Compatible with 5-mode 13-band communication (TDD-LTE, FDD-LTE, WCDMA, TD-SCDMA, GSM), supporting global frequency bands for widespread international use.



Solar Cable

Tinned copper, Class 5 conductors with XLPE double insulation, available in 2.5mm² and 4mm² sizes, designed for reliable 25-year service life in photovoltaic systems.



Motor Cable

Copper core, Class 5 flexible conductors, H07RN-F rated, available in 2.5mm² and 4mm² sizes, designed for durable and weather-resistant electrical connections.



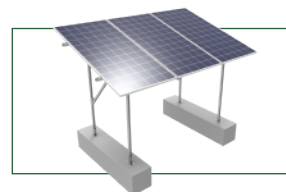
Cable Connectors

High-quality, weather-resistant connectors for reliable electrical connections in solar and motor systems, including MC4 connectors for 1500V DC solar cables and 3 & 4-pin motor cable connectors designed for secure power transmission, offering IP67 protection, corrosion resistance, and compatibility with various cable sizes and system configurations.



Electrical Protections

Comprehensive range of components for safe and reliable system operation, including DC and AC circuit breakers for overcurrent and short-circuit protection, Surge Protection Devices (SPDs) to guard against voltage transients, and grounding equipment for fault current dissipation and personnel safety; all designed to meet international standards and integrate seamlessly into renewable energy and power distribution systems.



Solar Ground Mounting Structure

Durable, corrosion-resistant steel framework designed for secure installation of photovoltaic panels on flat or uneven terrain, offering adjustable tilt angles, high wind load resistance, and compatibility with various module types and sizes; mobile mounting options also available for select system sizes to enable flexible deployment and repositioning.



Liquid Level Sensor

Robust water level monitoring device with 4-20mA output, IP68 rating, and measuring ranges from 0-5m up to 0-50m, designed for reliable long-term use in tanks, pools, and rivers.



Liquid Pressure Sensor

High-precision, IP68-rated sensor with 0.25%FS accuracy and 0~4MPa measuring range, featuring stainless steel construction, 12-36VDC supply voltage, and 0-10VDC output signal for reliable liquid or gas pressure monitoring.



Water Flow meter

Designed for precise water flow measurement with pulse signal output, available in nominal diameters from 40mm to 250mm, featuring low temperature drift, anti-icing properties, long service life, and remote monitoring capability.

Farmer Testimonial



"Now, my wife can run the system with just one click. With the savings, I'm planning to grow more."

Sok Kosal
Fruits Grower
Cambodia



"I'm especially pleased with Agrosolar's durability, fuel-efficiency, and easy maintenance. My farming is now easier and more sustainable."

Mukharom
Rice Farmer
Indonesia



"I'm satisfied with Agrosolar. No more fuel worries and it saves me a lot in expenses."

U Soe Lin
Vegetables Grower
Myanmar

Key Impacts

Saved all fuel cost

Higher productivity

Easy to maintain

Fully satisfied

Reliable performance

Easier irrigation

Durable system



Growing Together, Sustainably

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