

SOLAR PUMPING SYSTEM HELPS A LOT

- Reduce the distance between us and clean water
- Lift fresh water from deep underground to irrigate fruit, contributes to better fruit quality
- Providing much more reliable and efficient water supply for livestock
- Very economical & Worry-free way to circulate pool water



Solar Pumping Technology is Making The World Better



DSDP Solar Pump Inverter

Features

- High efficiency with MPPT function
- Specially designed for solar pumping system
- Easy installation & Low installation cost
- Easy operation & Low maintenance cost
- Protection class: IP55



DC

Multi Functions

- MPPT: Increase the solar power utilization rate
- LED Screen displays Real time working condition: Output Power, Output Voltage, Current, Pump speed & Error code
- Auto Frequency Conversion function: Can automatically adjust the speed/rpm according to solar power strength, user can adjust the pump speed/rpm manually.
- Auto On/Off (with float switch)
- Soft Start: No impulse current, protect pump motor. No water hammer, protect the whole plumbing system.
- Multi-protection: Dry-run protection, Over-voltage protection, Over-current protection. High-temperature protection (reduce rpm when the inner temperature got 79℃), Output phase lose protection.



High Reliability



MPPT



IP55



Cost Saving

Working Environment and Electrical Property

Controller Model	Adaptable Pump Rated Voltage	Max.Input Current	Max.Open Circuit Voltage	MPPT Voltage Range	Working Temperature	Inverter Dimension	Net Weight
DC-12	12V	17A	48V	30-48V	-15~+60℃	23.8x18x9.5mm	1.5kg
DC-24	24V	17A	48V	30-48V			
DC-36	36V	17A	48V	30-48V			
DC-48	48V	17A	100V	60-90V			
DC-72	72V	17A	150V	90-120V			
DC-110	110V	17A	200V	110-150V			



Applications

- Transfer clean water or other liquids similar to water in physical and chemical properties
- Farm irrigation & Domestic water lifting for no electricity area
- Off grid solar irrigation system

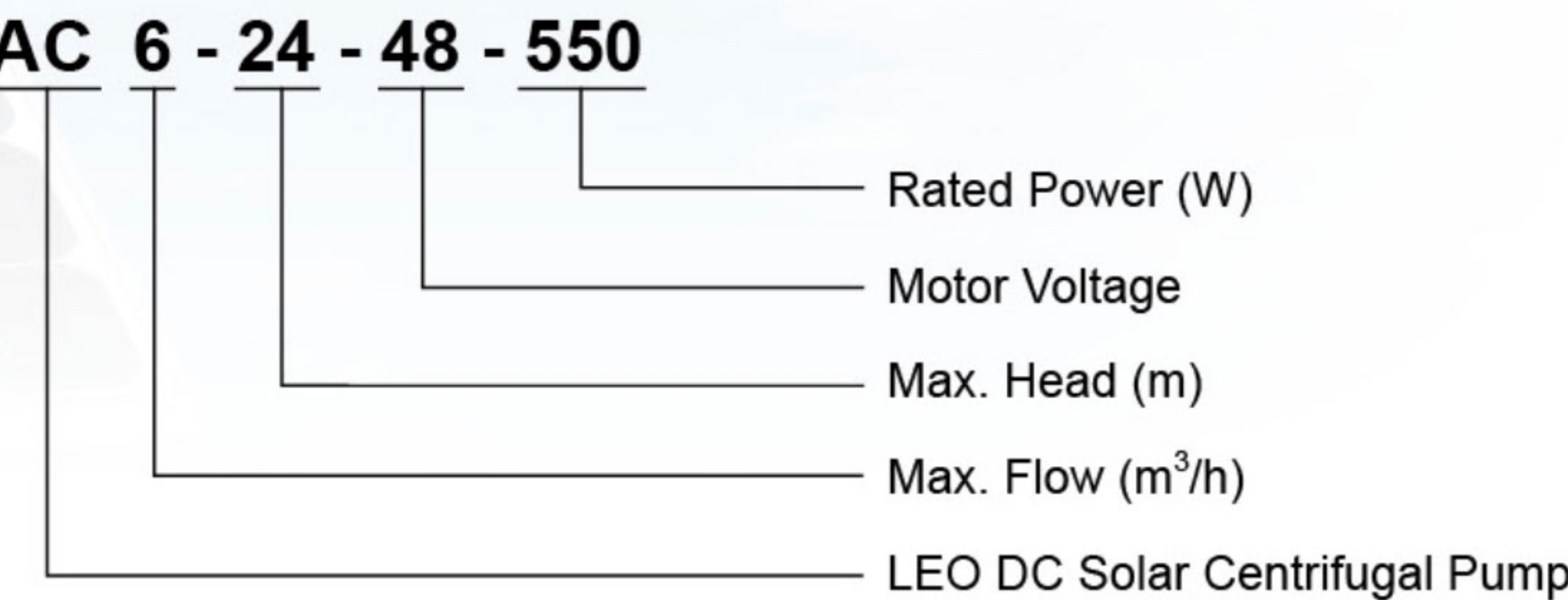
Pump Features

- 100% Copper winding
- High efficiency PMSM brushless motor (PMSM: Permanent Magnet Synchronous Motor)
- High efficiency synchronous motor
- Cast iron pump body with e-coating treatment
- Brass impeller

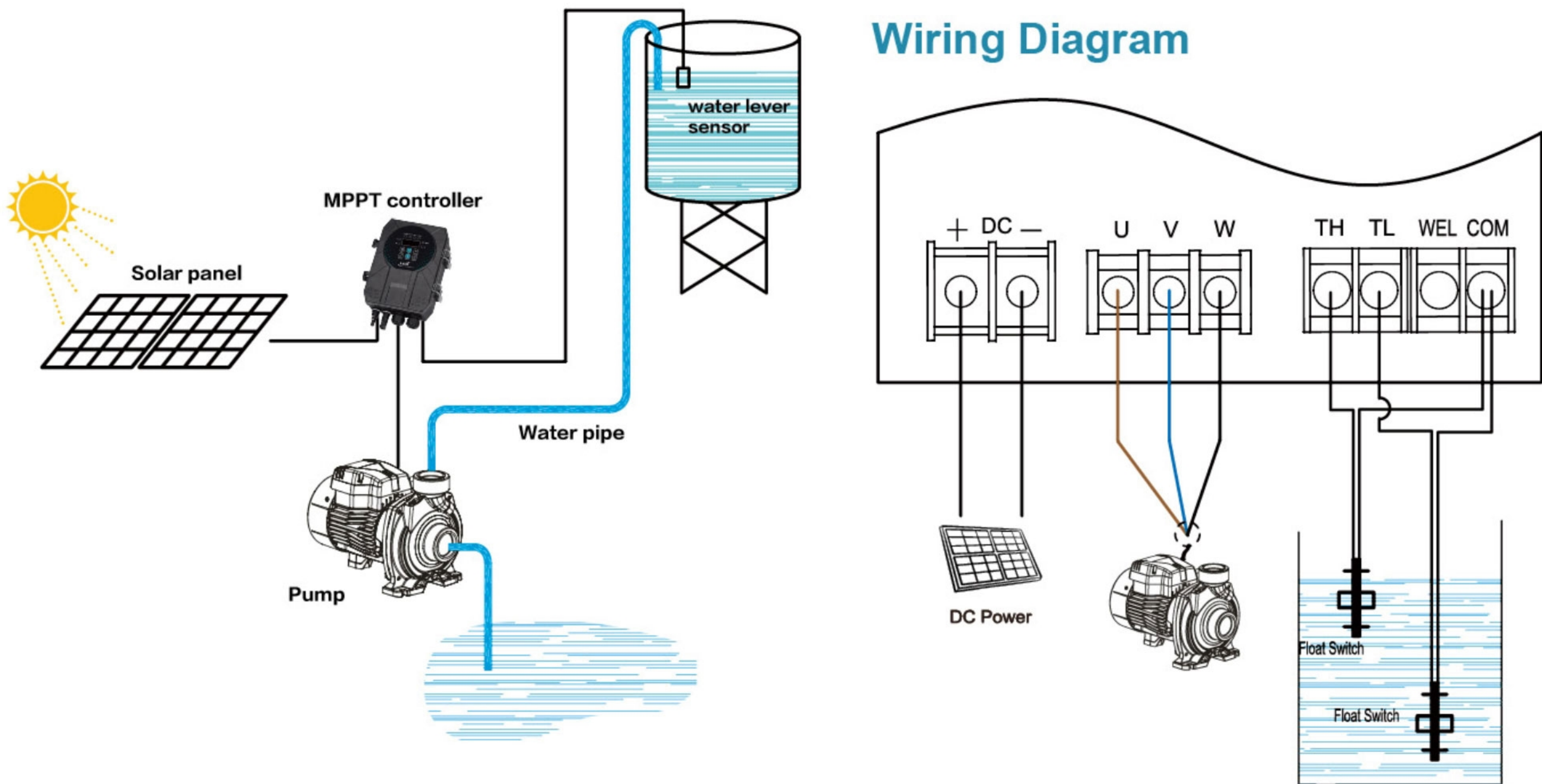
MPPT DC Controller

- Protection class: IP55
- Ambient temperature: -15 ~ 60°C
- LED Displays working conditions & Fault code
- Auto Start & Stop (with float switch)
- Soft start & VFD function

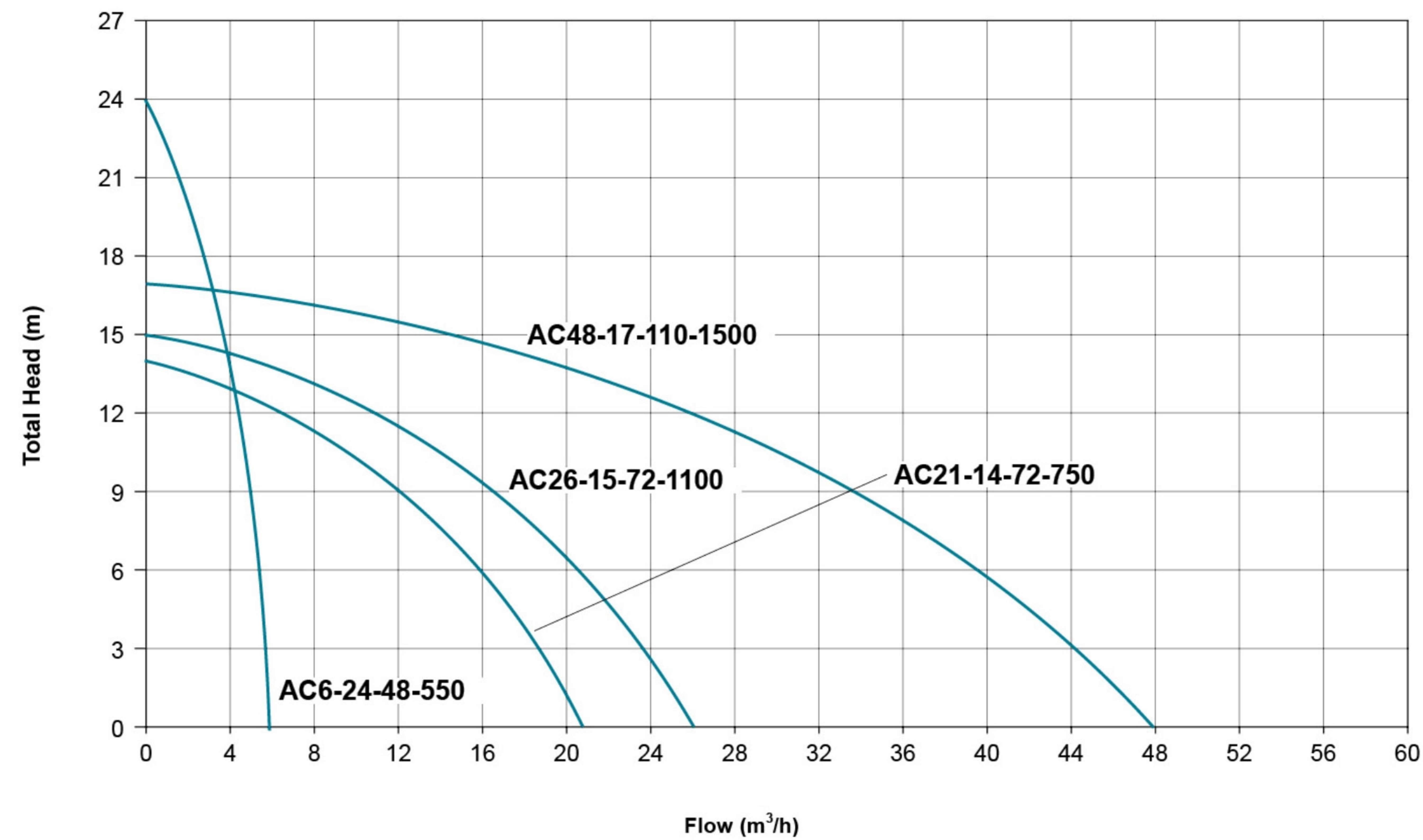
Identification Codes



Wiring Diagram



AC DC Solar Centrifugal Pump



Technical Data

Model	Power (W)	Rated Voltage (V)	Optimum Input Voltage (V)	Max. Flow (m³/h)	Max. Head (m)	Inlet/Outlet (inch)	Cable (m)	Recommended Solar Panel	
								Open Circuit Voltage(VOC)	Power
AC6-24-48-550	550	48	60-90	6	24	1"x1"	2	< 100	≥1.3*Pump Power
AC21-14-72-750	750	72	90-120	21	14	2"x2"	2	< 150	≥1.3*Pump Power
AC26-15-72-1100	1100	72	90-120	26	15	2"x2"	2	< 150	≥1.3*Pump Power
AC48-17-110-1500	1500	110	110-150	45	17	3"x3"	2	< 200	≥1.3*Pump Power