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 peed & 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			
DC-24	24V	17A	48V	30-48V			
DC-36	36V	17A	48V	30-48V	-15~+60℃	23.8x18x9.5mm	1.5kg
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
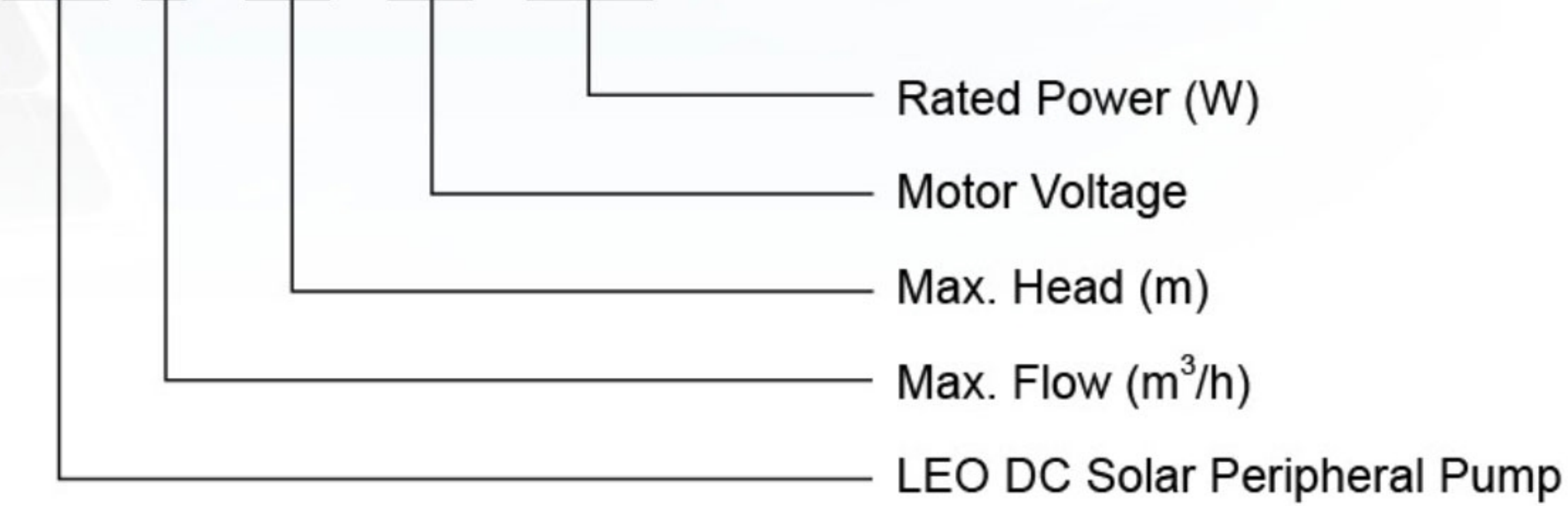
Pump Features

- 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
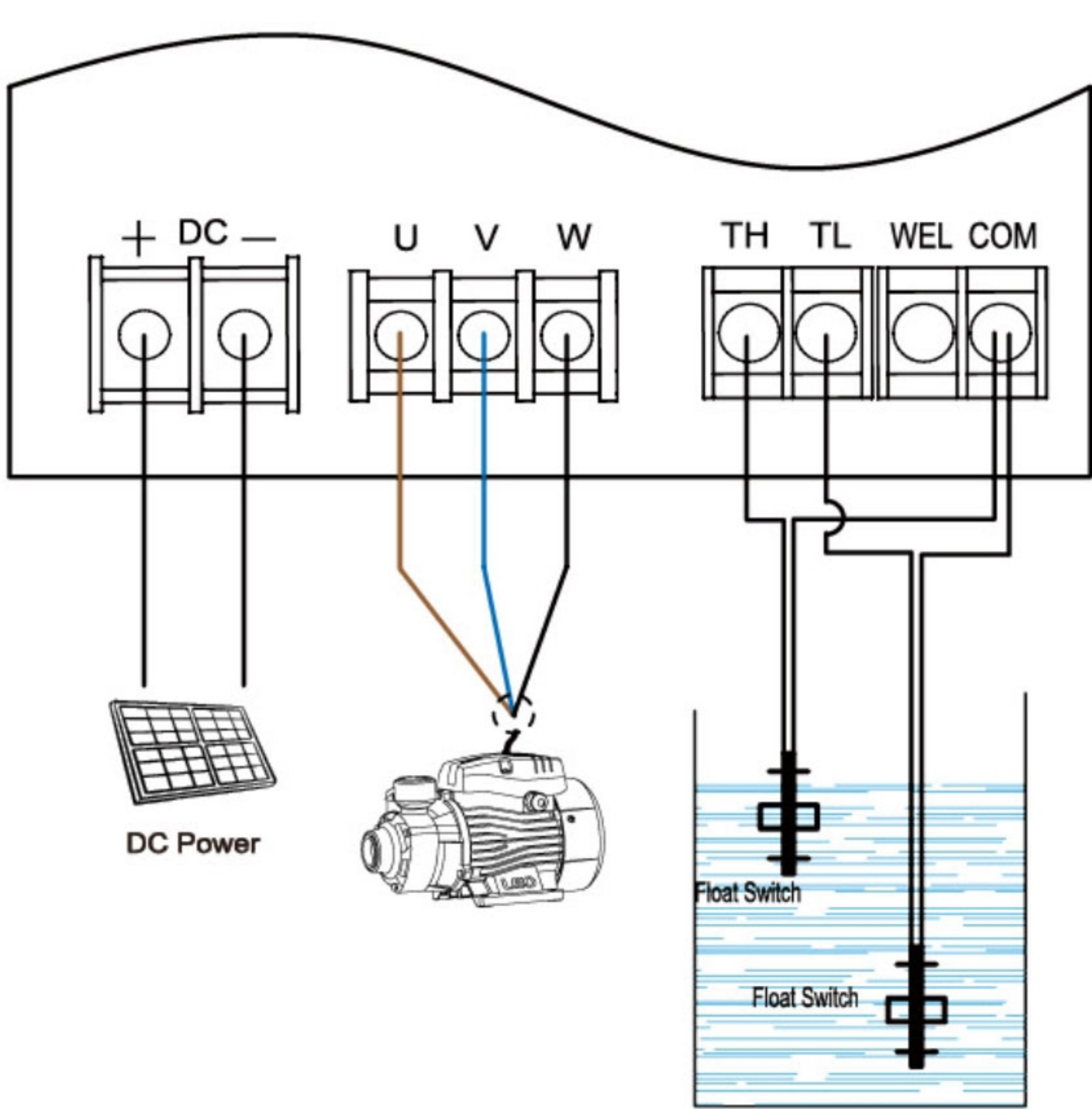- Brass impeller

MPPT DC Controller

- Protection class: IP55
- Ambient temperature: -15 ~ 60℃
- LED Displays working parameter & Fault code
- Auto Start & Stop (with float switch)
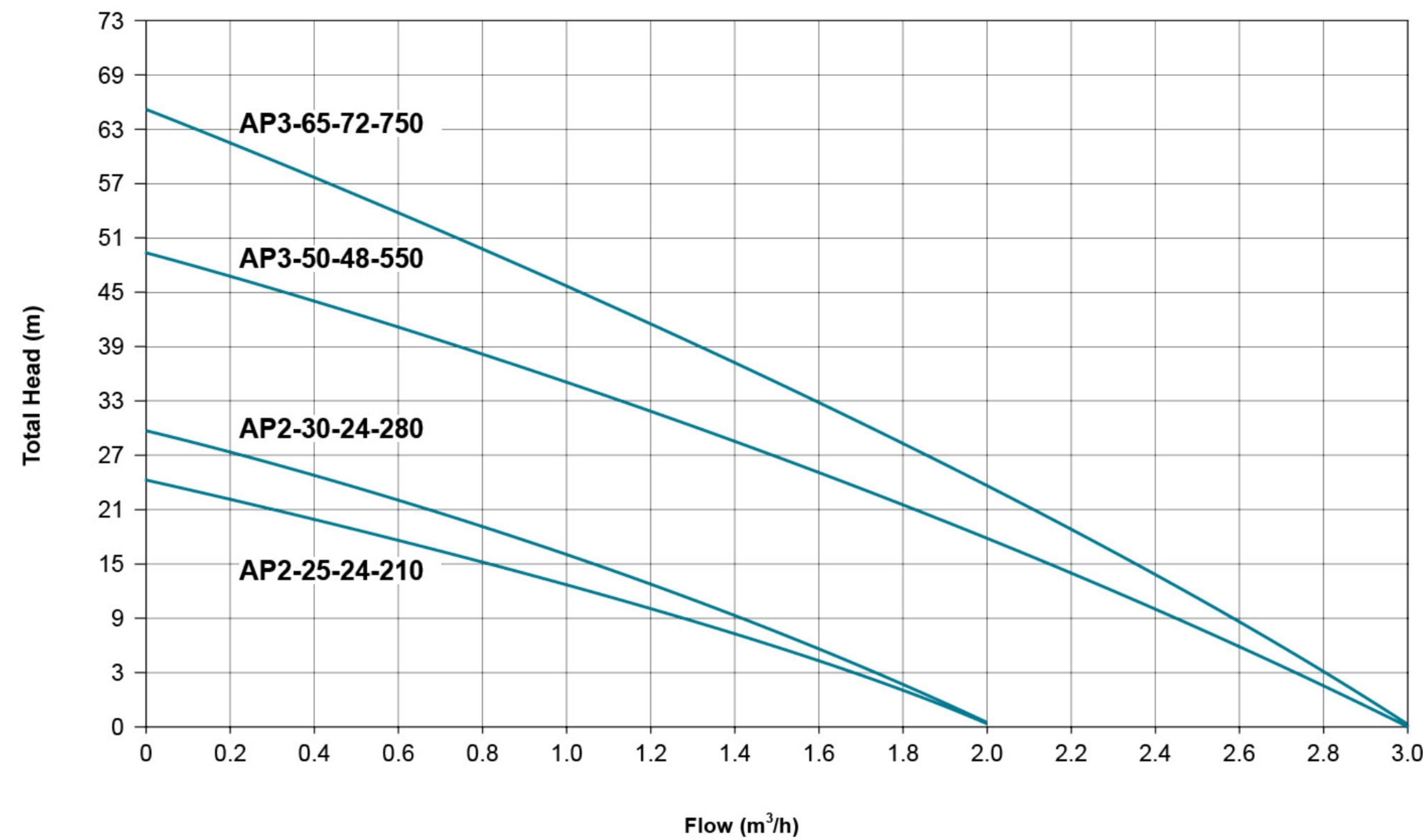- Soft start & Auto frequency conversion function

Identification Codes

AP 2 - 25 - 24 - 210

- Rated Power (W)
- Motor Voltage
- Max. Head (m)
- Max. Flow (m³/h)
- LEO DC Solar Peripheral Pump

Wiring Diagram

DC Power

+ DC −   U V W   TH TL WEL COM

Float Switch

Float Switch

Solar panel

MPPT controller

water lever sensor

Water pipe

Pump

AP DC Solar Peripheral Pump

AP3-65-72-750
AP3-50-48-550
AP2-30-24-280
AP2-25-24-210

Total Head (m)

Flow (m³/h)

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
AP2-25-24-210	210	24	30-48	2	25	1"x1"	2	< 50	≥1.3*Pump Power
AP2-30-24-280	280	24	30-48	2	30	1"x1"	2	< 50	≥1.3*Pump Power
AP3-50-48-550	550	48	60-90	3	50	1"x1"	2	< 100	≥1.3*Pump Power
AP3-65-72-750	750	72	90-120	3	65	1"x1"	2	< 150	≥1.3*Pump Power

AP