

4 INCH AC/DC PLASTIC IMPELLER SOLAR PUMP PARAMETER

PLASTIC IMPELLER : High cost performance, popular in South-east Asia and Africa

MAX FLOW RANGE : 7-41m³/h

MAX HEAD RANGE : 52-300m

Two designs for selection



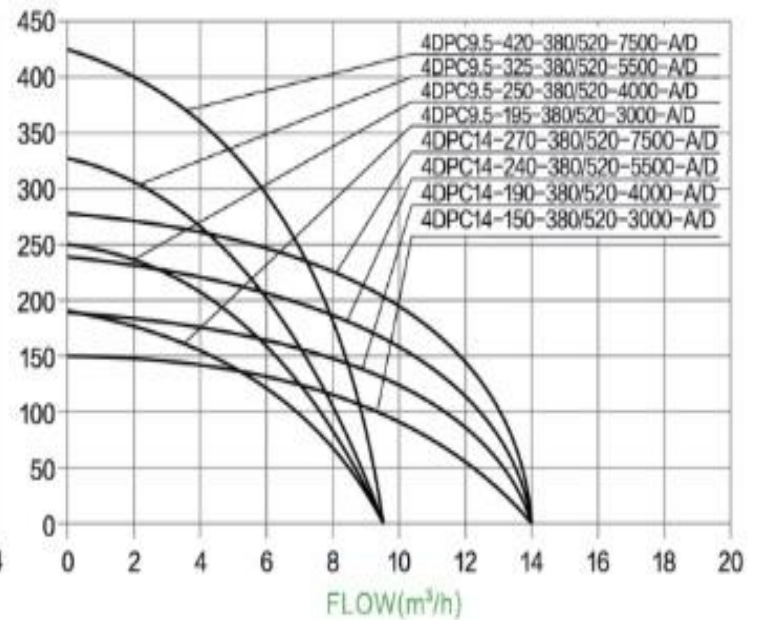
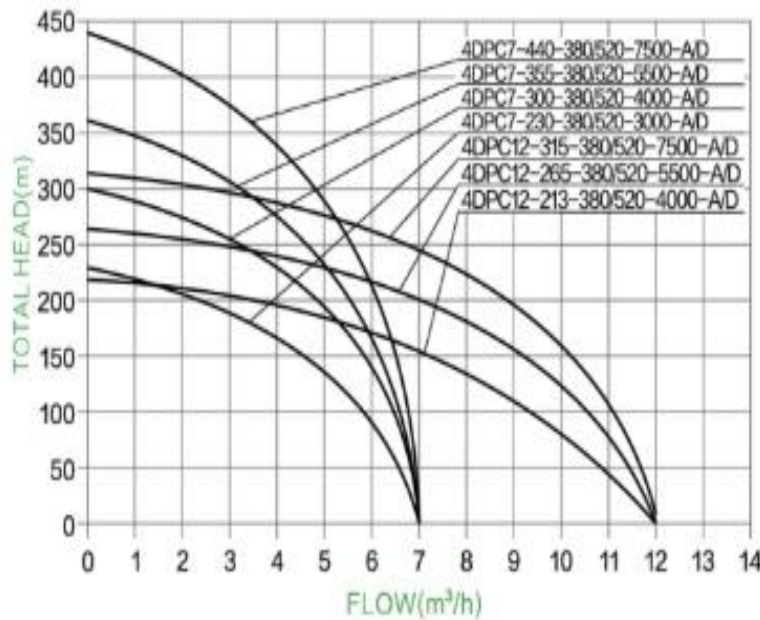
Advantages of our AC/DC solar water pump

- Permanent magnet DC brushless synchronous motor:
increasing efficiency by 15%-20%
- Japanese brand NSK bearing:
Longer working life
- 40SH aluminum iron boron magnet:
Temperature resistance reaches
150° C
- Silicon carbide to impregent graphite mechanical seal:
Longer working life and high reliability
- Double bearing structure:
Withstand greater axial pressure

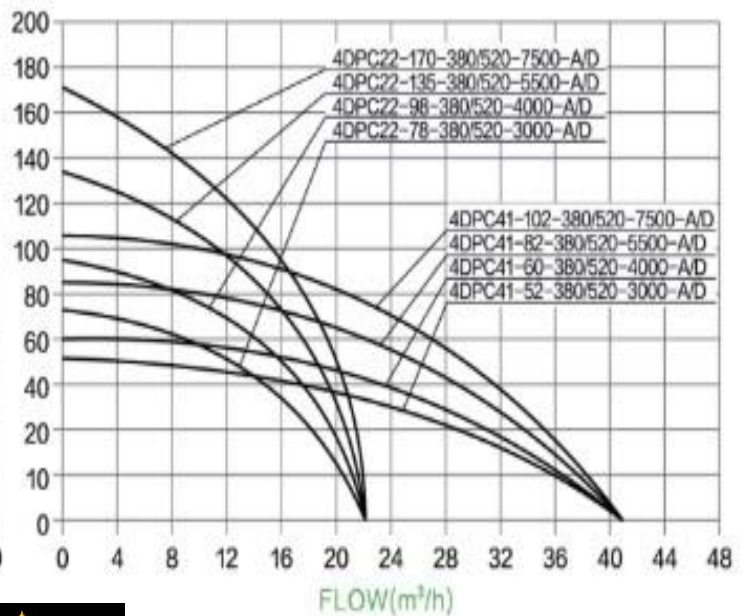
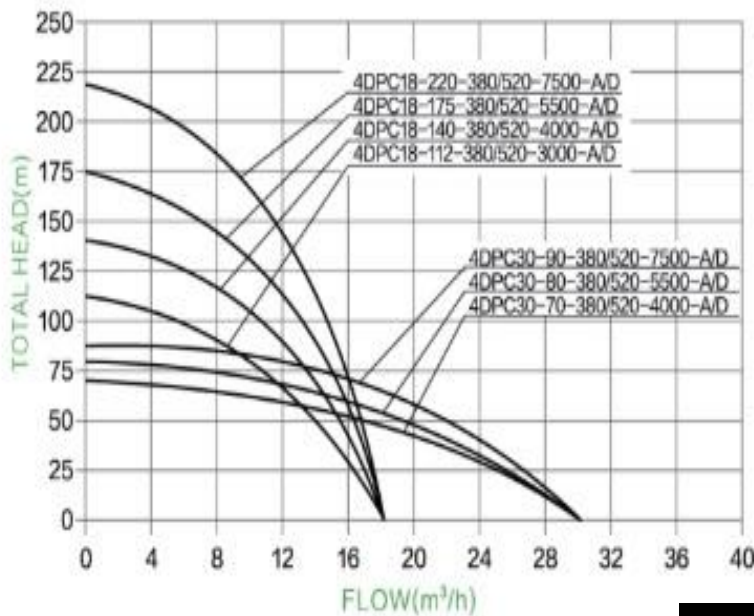
#	MODEL	POWER (W)	VOLTAGE (V)	MAX FLOW (M ³ /H)	MAX HEAD (M)	PUMP PERFORMANCE TABLE						
12	Tiao-230-3000-1-1.4"-3ph	3000	DC: 550 AC: 380	6	230	Head(m)	230	180	120	65	30	0
						Flow(m ³ /h)	0	2.5	4	5	6	6
13	Tiao-150-3000-1-1.4"-3ph	3000	DC: 550 AC: 380	13	150	Head(m)	150	120	90	60	30	0
						Flow(m ³ /h)	0	5	7.5	10	12	13



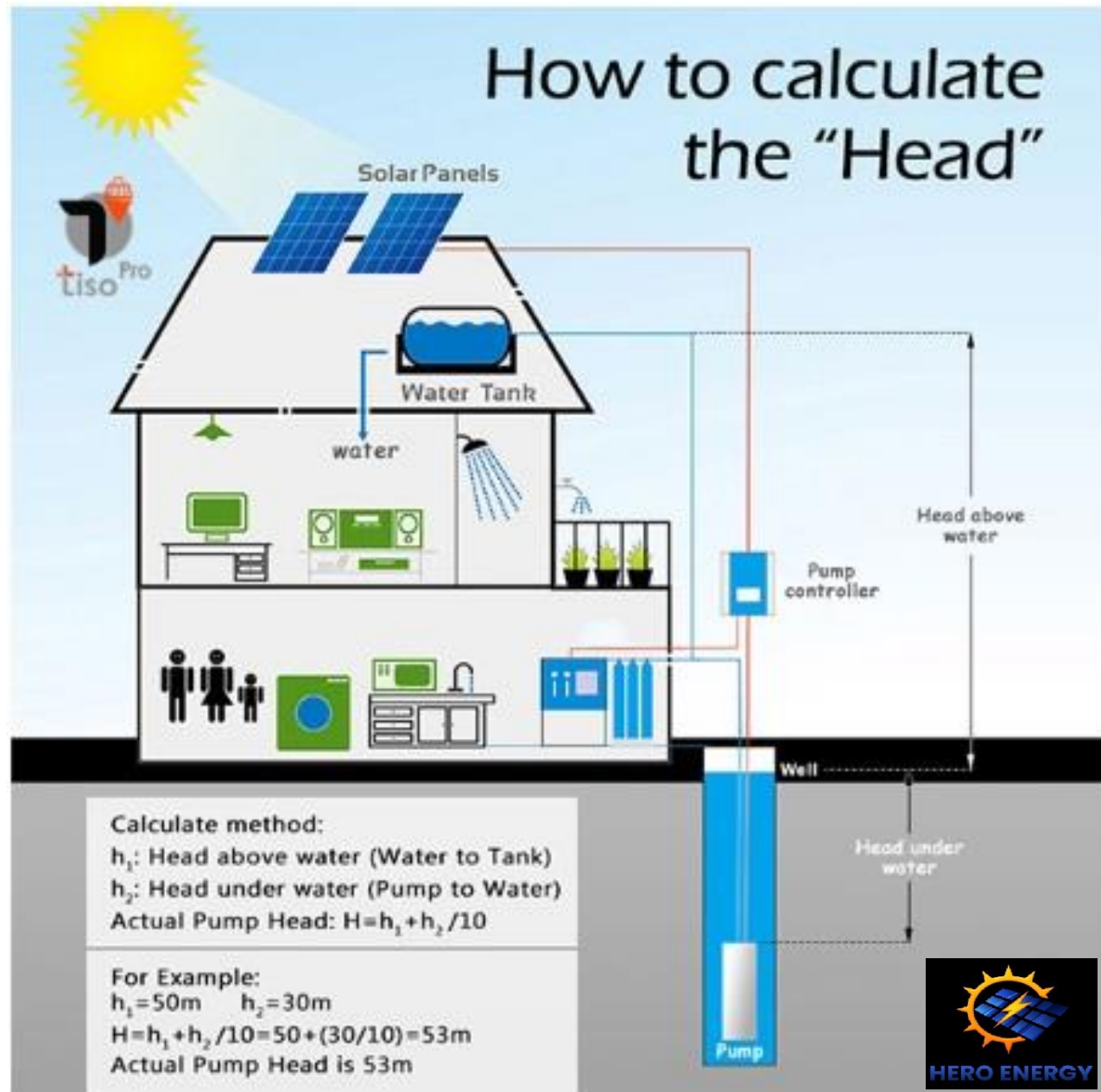
HYDRAULIC PERFORMANCE CURVES



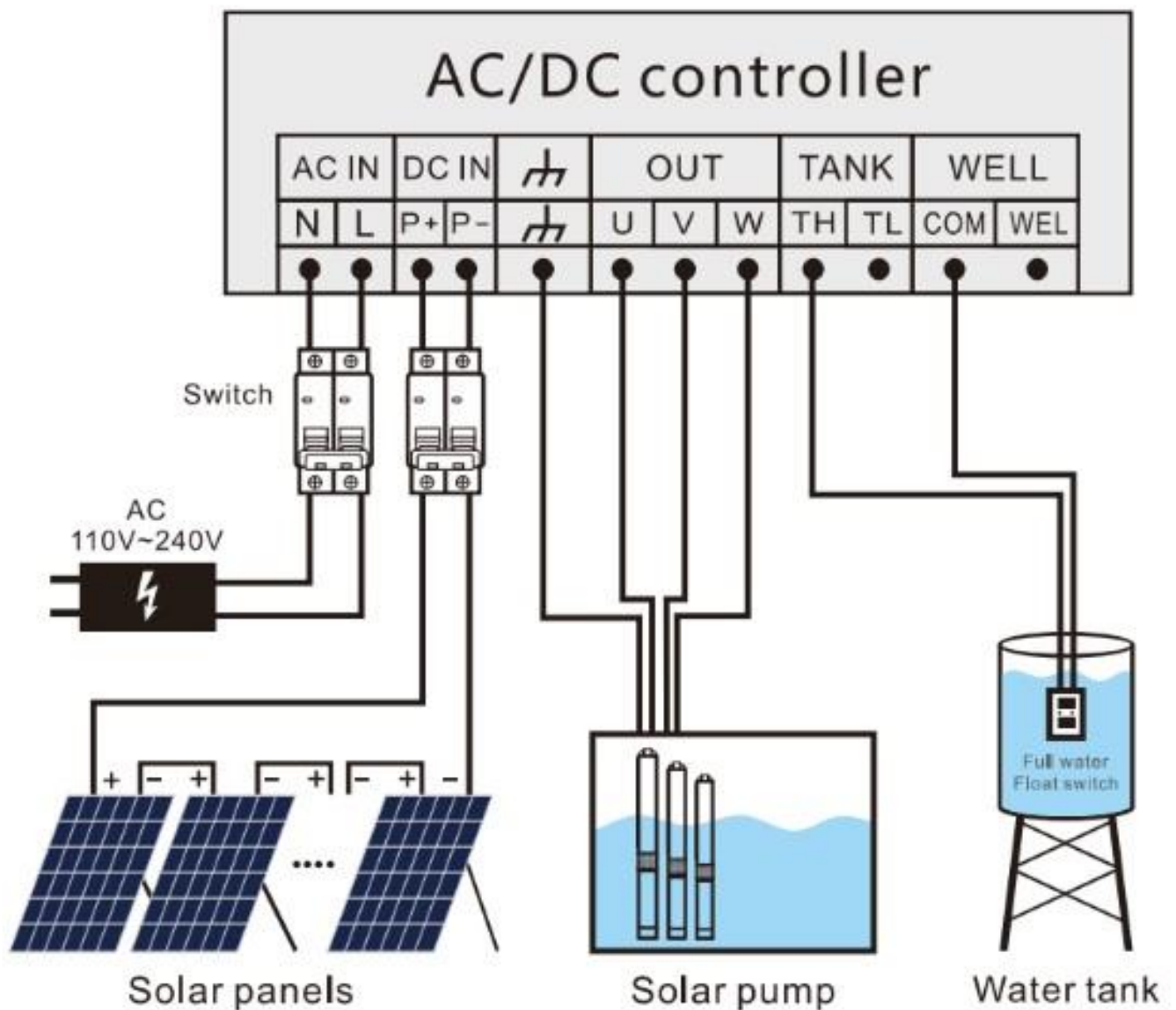
HYDRAULIC PERFORMANCE CURVES



How to calculate the "Head"



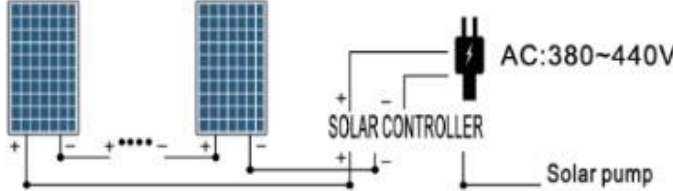
CONTROLLER INTERNAL WIRING DIAGRAM



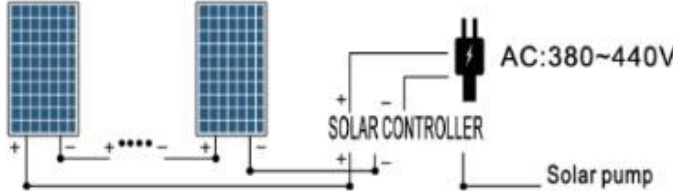
HOW TO CHOOSE SOLAR PANEL

The solar PV system voltage needs to meet the voltage range in the figure below. For example: The 4DPC6-56-220/300-750-A/D model matches the solar panel voltage between 120V ~ 420V.

Tiso-230-3000-1-1.4"-3ph

PUMP POWER 3000W-520V ACVol. 380V~440V DCVol. 520V~650V		Solar panel:550W*13PCS Solar panel:330W*12PCS
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Tiso-150-3000-1-1.4"-3ph

PUMP POWER 3000W-520V ACVol. 380V~440V DCVol. 520V~650V		Solar panel:550W*13PCS Solar panel:330W*12PCS
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