

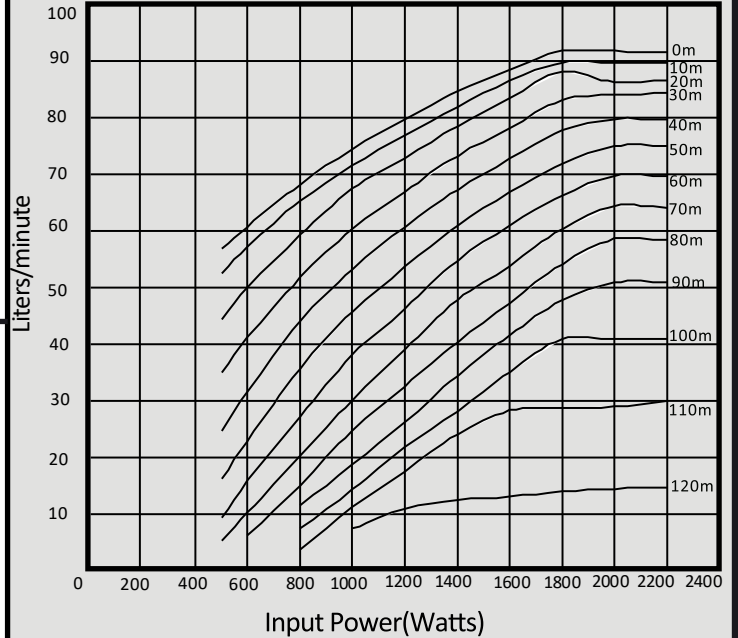
TAFLO

4SPW 2-13

AC/DC PUMP



PERFORMANCE CURVES



APPLICATION

The TAFLO SPF range are a robust AC/DC Solar pumps designed for borehole application as well as Tank and shallow wells installation. The pump motor has an inbuilt electronic unit containing a frequency converter and motor controller which allows it to be powered by both AC and DC sources. The Motor operates at a speed range of 500-3600rpm depending on power input and load, which allows the pump to operate at any point within the performance curve.

CONSTRUCTION FEATURES

- Hybrid Motor powered by both AC and DC source, priority being given to DC and AC tops up any shortfall in solar irradiation
- Soft Start running. Supply voltage 60-380Vmp or 90-240VAC at 50/60Hz. Max VOC 440V
- Inbuilt protection against Dry run, Reverse rotation, Overload, Over current, Over/under voltage, Lightening
- Materials of construction SS304

PUMP CONTROLLER FEATURES

- Display input power AC and DC, Water Level control with electric float switch, Pressure control with pressure switch, • Can select power source to either AC, DC or Auto mode.
- Auto mode allows automatic switching between DC and AC depending on solar irradiation.
- Has provision for generator connection.
- IP65 weatherproof enclosure

PUMP LIQUID

Clean non aggressive water with no sand. Maximum Temperature 300C

TECHNICAL DATA

HEAD(m)	INPUT POWER(WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE(ltrs/min)									
0	57	61	68	74	80	85	89	92	92	92
10	52	57	65	71	77	82	87	90	90	90
20	44	50	59	67	73	78	84	88	86	87
30	35	41	52	60	67	73	78	83	84	84
40	25	32	44	53	61	67	73	78	80	80
50	16	23	36	46	54	61	67	72	75	75
60	9	16	27	38	46	55	61	66	70	70
70	5	10	20	30	39	48	54	60	64	64
80		6	15	25	33	40	47	54	59	58
90			11	19	26	34	42	48	51	51
100			7	14	22	28	35	41	41	41
110			4	11	18	24	28	29	29	30
120				7	11	12	13	14	14	15

Model	PV Connection	Max Input Power	Dc Volatges Range	Outlet size	Motor Speed	PV	Pump Diameter	Net weight
4SPW2-13	In series	2.2KW	180-280Vmp (VOCmax=360V)	1.25"	500-3600	300Wx7	4"	13.1kgs