



Performance of the 2HP sunlight pump powered by solar panel

Sunlight pump performance powered by solar panel

Discharge in liter per minute (L/Min)

Head	Pressure (bar)	1800W
5 Metres	0.5	475
10 Metres	1.0	450
15 Metres	1.5	380
20 Metres	2.0	235

Discharge in liter per hour (m³/Hour)

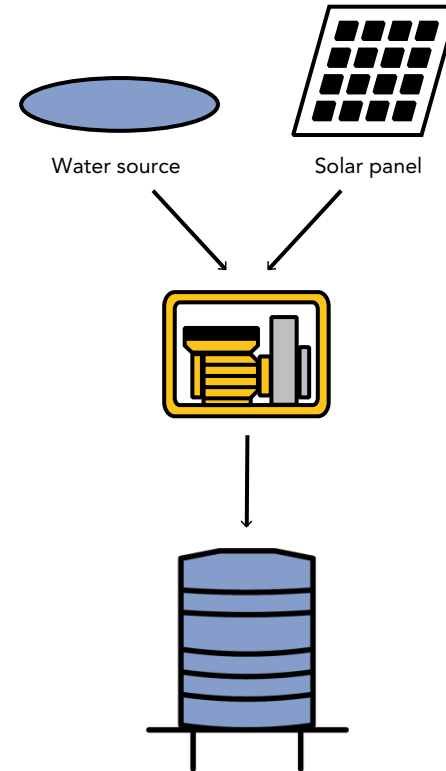
Head	Pressure	1800W
5 Metres	0.5 Bar	29
10 Metres	1.0 Bar	27
15 Metres	1.5 Bar	23
20 Metres	2.0 Bar	14

Discharge in liter per day (m³/Day)

Head	Pressure	1800W
5 Metres	0.5 Bar	205
10 Metres	1.0 Bar	194
15 Metres	1.5 Bar	164
20 Metres	2.0 Bar	102

*Solar irradiance taken as 7.2 kWh/m²/day

*2HP sunlight pump is not intended for use over 2 bar pressure



Drip irrigation powered by the **2HP sunlight pump** & solar panels

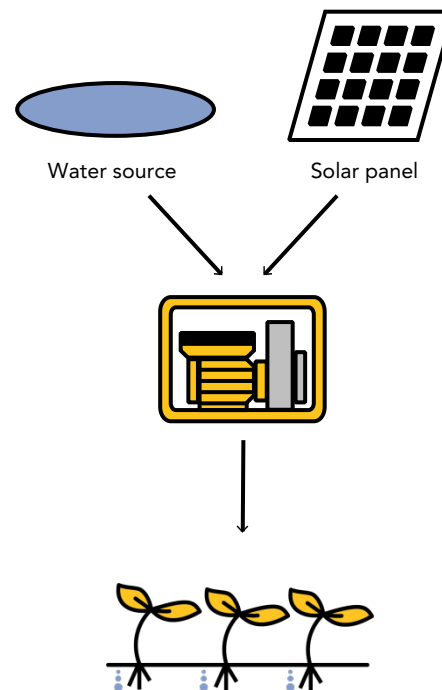
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Discharge in liter per hour (m³/Hour)

Head	Pressure	1800W
5 Metres	0.5 Bar	29
10 Metres	1.0 Bar	27
15 Metres	1.5 Bar	23
20 Metres	2.0 Bar	14

Water required (m³/Hour)

Pressure/ eq. head	1000m ²	2000m ²	2x2000m ²	8x2000m ²	10x2000m ²
0.25 bar/ 2.5	1	2	4	17	21
0.3 bar/ 3.0m	1	2	5	18	23
0.4 bar/ 4.0m	1	3	5	22	27
1.0 bar/ 10m	2	4	9	35	44
2.0 bar/ 20m	3	6	11	44	55



Sprinkler irrigation by the 2HP sunlight pump & solar panels

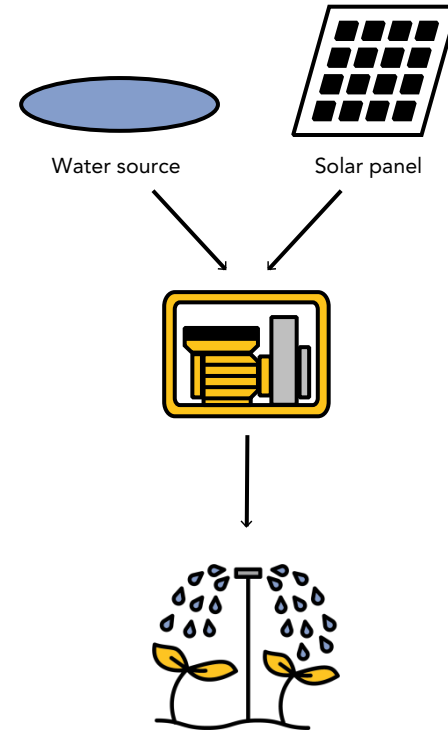
Sunlight pump performance powered by solar panel

Discharge in liter per hour (m³/Hour)

Head	Pressure	1800W
5 Metres	0.5 Bar	29
10 Metres	1.0 Bar	27
15 Metres	1.5 Bar	23
20 Metres	2.0 Bar	14

Maximum capacity: 29 sprinklers 5022 U Purple 2.5x1.8

Pressure (bar)	Spacing (m)	Output per m ² (L/Hour)	Output per sprinkler (L/Hour)	sprinklers	Output per line (m ³ /Hour)
2 bar	10x10	4,8	480	29	13,9



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