

Solar piston pump (12 volts)



This solar piston pump has several advantages:

- A reliable and stable system, resistant to weather, UV radiation and temperature variations .
- Environmentally friendly.
- Simple installation.
- Low operating cost.
- Minimal maintenance.
- 27 amperes 12 V Motor

Ideal for farms, homes and cottages.

Part number	Model	H.P.	Capacity	Suction inch (mm)	Discharge inch (mm)	Shipping weight lb (kg)	
521-0705	S-275	1/3 HP	275 gal/h (1040 l/h)	1 ¼" (31.8)	1" (25.4)	70 (32)	

Average consumption

Use	Number of people	Solar panels needed	Battery recharge	Battery capacity
Cottage	2 people	1 to 140W	Sunny day: 100% / Rainy day: 50%	Sunny day: 8h /Rainy day: 2h
Home	4 people	3 to 140W	Sunny day: 100% / Rainy day: 50%	Sunny day: 8h /Rainy day: 2h

***Minimal cable size: Grade 10**

FEATURES

- On site maintenance possible due to an easy access to internal parts
- Constant pumping, even with the presence of air in water
- Double-action piston, single cylinder
- Continuous efficiency at various pressures.
- Increased resistance to particles in water.
- Priming up to 25 feet (7.62 m)
- Safety valve 100 PSI

ACCESSORIES

- 1/3 HP motor (12V)
- Pressure switch 30/50 lb/in 2 specially designed for 12 Volt application

SUGGESTED ACCESSORIES

- 12V battery deep discharge*
- 140W Solar panel*
- 12/24/48 V regulator*
- *Sold separately

MAXIMAL CABLE LENGTH IN FEET BETWEEN SOLAR COMPOSANTS

Selection Wire intensity	Wire size							
	#14	#12	#10	#8	#6	#4	#2	#1/0
8 A (1 x 149W panel)	14	22	35	56	88	141	225	355
16 A (2 x 140 W panel)	6	8.5	13	22	35	56	90	144
24 A (3 x 140 W panel)			8	13	22	33	54	86