

Solartech SPM600HS

Submersible Pump Medium head, low flow applications

FINALIST



SPECIFICATIONS

Model Number	SPM600HS	
Pump Type	Helical rotor	
Sunny, high irradiance day (1000W/m ² peak)	Hydraulic energy (Wh/d)	1557.2
	Total volume of water moved (m ³ /d)	14.3
	Hours of operation (hrs)	10.1
Partly cloudy, average irradiance day (700W/m ² peak)	Hydraulic energy per day (Wh/d)	803.1
	Total volume of water moved (m ³ /d)	7.4
	Hours of operation (hrs)	8.0
Fully cloudy, low irradiance day (450W/m ² peak)	Hydraulic energy per day (Wh/d)	309.6
	Total volume of water moved (m ³ /d)	2.8
	Hours of operation (hrs)	5.1
Maximum head (m)	70.2	
Minimum irradiance required to start the pump - 50W/m ² increments (W/m ²)	100	
Price index without PV system - includes pump, motor, controls (\$-\$\$\$\$)	\$\$\$	
Price index with PV system - based on standardized price per watt (\$-\$\$\$\$)	\$\$\$	

TEST SETUP

Simulated PV array size (W)	600
Simulated head (m)	40



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Solartech SPM400HS

Submersible Pump Medium head, low flow applications

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SPECIFICATIONS

Model Number	SPM400HS	
Pump Type	Helical rotor	
Sunny, high irradiance day (1000W/m ² peak)	Hydraulic energy (Wh/d)	775.1
	Total volume of water moved (m ³ /d)	14.2
	Hours of operation (hrs)	10.1
Partly cloudy, average irradiance day (700W/m ² peak)	Hydraulic energy per day (Wh/d)	436.8
	Total volume of water moved (m ³ /d)	8.0
	Hours of operation (hrs)	8.0
Fully cloudy, low irradiance day (450W/m ² peak)	Hydraulic energy per day (Wh/d)	187.7
	Total volume of water moved (m ³ /d)	3.4
	Hours of operation (hrs)	5.1
Maximum head (m)	45.8	
Minimum irradiance required to start the pump - 50W/m ² increments (W/m ²)	150	
Price index without PV system - includes pump, motor, controls (\$-\$\$\$\$)	\$\$	
Price index with PV system - based on standardized price per watt (\$-\$\$\$\$)	\$\$	

TEST SETUP

Simulated PV array size (W)	330
Simulated head (m)	20



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