



5.5kW Solar Pumping System

Sustainable and Eco-Friendly

Developed to operate in a range of applications that include extracting water from boreholes, dams, rivers or lakes, NOV has been offering state of the art pumping systems that use renewable energy as power. Solar power is more sustainable, reliable, cost-effective, and environmentally friendly than diesel engines.

We have expanded the Mono™ solar pumping portfolio to answer the needs of many thousands of remote applications where either diesel or electricity is used. Our 5.5kW solar system offering that can be coupled to 3 highly popular ASP surface transfer pumps. As a result, any new or existing ASP 520, 610 or 620 pump can now be converted to run throughout the day on solar using a powerful 10kw array.

Key Features

- No need for refueling or repairing diesel engines in remote locations
- Cost effective and environmentally friendly solution
- More water throughout the day during hot summer periods
- Unlike centrifugal pumps, PCPs continue working in low sunlight conditions.
The PCP will slow down, but will continue delivering water.
- Long pump life, even with abrasive fluids

System Components

System comprised of three parts:-

- Solar Array
 - 25 year performance warranty
 - Ground mounted fixed solar arrays
- Controller
 - IP66 Controller can withstand the harshest outdoor conditions
- Progressing cavity pump
 - Continues working even in low-sunlight conditions

Average Solar Daily Flow Rate (m³)*

Duty Head Pressure usin a 5.5kW Drive Solution on MONO ASP or Borehole pump systems

Pump	30M	60M	90M	120M
ASP520	67	64	59	52
ASP610	122	100	-	-
ASP620	119	96	74	-
520	-	50	48	45
610	98	86	-	-
620	100	94	89	-

* Calculations subject to geographic location. For estimated flows at your installation please contact your local NOV representative.

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