

World Class Solar Modules.
Standard quality
Pump & accessories.



System component :

The whole system of solar pumping includes the panel, support structure with tracking mechanism, electronic parts for regulation, cable, pipes and the pump itself.

Solar panels or modules : Solar panels are the major components used for driving the solar pump. Several solar panels connected together in arrays produces DC electricity. Interconnections are made using series or parallel combinations to achieve desired voltage and power for the pump.

Solar pump : Centrifugal or submersible pumps are connected directly to the solar array using DC power produced by the solar. Solar pumps are available in several capacities depending upon the requirement of water.

Support Structure and tracking mechanism : Support structure provides stability to the mounted solar panels and protects them from theft or natural calamities. To obtain maximum output of water, a manual tracking device is fixed to the support structure. Tracking increases the output of water by allowing the panels to face the sun as it moves across the sky.

Foundations (array and pump) : Foundations are provided for support structures and pump.

Electrical interconnections : A set of cables of appropriate size, junction boxes connectors and switches are provided along with the installation.

Earthing kit : Earthing kit is provided for safety in case of lightning or short circuit.

Plumbing : Pipes and fittings required to connect the pump come as part of the installation.

Submersible Pump :

A submersible pump is one that is immersed in water. It pumps water by displacement. Submersible pumps are suitable for both to deep well and to surface water sources. Most deep wells use submersible pumps. These pumps are costlier but have a longer life and greater reliability than surface pumps.

Specifications :

These pumps are designed for high head and medium flow applications. They multi-stage pump and high efficiency micro-computer based inverter. The inverter optimizes the power input and thus enhances the overall system efficiency.

Total Dynamic Head (M)	Water Output (Lit/Day)	
	1200 Wp	1800 Wp
7	55000	72000
10	50000	67000
25	30000	47000
30	29000	39000
50	7000	20000

As per MNES guide lines

Model	DL-1200GF	DL-1800GF
Array Capacity	1200 Wp	1800 Wp
Solar Panel Size	75 Wp	75 Wp
No. Of solar panels	16	24
Support Structure	1	2
Pump Capacity	0.75hp	0.75hp
Maximum Total Head	50m	50m
Water Discharge size	40mm	40mm
Water Output @ 30m head	29,000 lit/day*	39,000 lit/day*
Array Tracking structure	1 No.	1 No.
Array junction box	2 Nos.	2 Nos.
Installation Kit	1 set	1 set
User manual	1 No.	1 No.
2" HDPE Pipe	50m	50m



Applications : • Village water supply • Livestock watering • Remote homes • Micro irrigation • homes • dispensaries & community centers.



System Integrator & Manufacturer :

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