34 YEARS Celebrations

Geetanjali Solar

Pioneer in Solar Energy Systems

Solar Submersible Pump

INTRODUCTION :

In India, there is a shortage of reliable power for homes and irrigation of fields where Solar Submersible Pumping systems can make a remarkable contribution. A Solar-Powered Pump is a pump running on electricity generated by photovoltaic panels. The operation of solar powered pumps is more economical mainly due to the lower operation and maintenance costs and has less environmental impact than pumps powered by an internal combustion engine (ICE). Solar pumps are useful where grid electricity is unavailable and alternative sources do not provide sufficient energy.

FEATURES AND BENEFITS :

* Highly energy efficient submersible solar pump having energy efficient motor.
* Solar PV Modules having service life of 25 years
* Galvanized module mounting structure for long life.
* Pump controller having dynamic MPPT (Maximum Power Point Tracking) control method.
* Complete protection against under, over voltage and dry run for the pump.
* Pump Controller having conversion efficiency of 98%.
* Satisfactory operation with an ambient temperature up to 50° C.
* Virtually maintenance cost is zero.
* Eco friendly, noise & pollution free solution.

MNRE Approved

MSME MICRO, SMALL & MEDIUM ENTERPRISES

ISO 9001:2008

INTELLECTUAL PROPERTY INDIA

NSIC ISO 9001 : 2008 NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

Triple National Award Winner Organization

APPLICATION :

* Drinking Water as well as water for live stock.
* Small Scale community bases irrigation.
* Cattle bathing / watering.
* Water supply for homes, schools, hospitals and small villages.

SYSTEM CONSISTING OF :

* Solar Submersible bore well pump. (SS)
* Solar Photovoltaic Modules a/w PV Module Mounting Structure
* Pump Controller for Pump
* Cables & Accessories

PERFORMANCE AT A GLANCE :

* MAXIMUM FLOW: 77 M^3 / DAY
* MAXIMUM HEAD: 463 METERS
* RATING: 0.5 HP TO 20 HP (0.37 kW to 15 kW)

ESTEEMED CLIENTS :

* gtz (India) * IIT Kharagpur * Nagaland Energy Developement Agency * Assam Energy Developement Agency * Jadavpur University * Mizoram Energy Developement Agency & many more...

TECHNICAL DATA SHEET

PUMP POWER IN HP	SUITABLE BORE IN INCH	FLOW RANGE IN M3 / DAY	HEAD RANGE IN MTR.	DISCHARGE SIZE IN INCH	RECOMMENDED SOLAR POWER IN WP
0.5	4	6 - 9 L	63 - 43	1 ¼	700
1	4	6 - 9 L	129 - 88	1 ¼	1200
2	4	6 - 9 L	234 - 160	1 ¼	1800
3	4	10 - 17 L	250 - 167	1 ¼	3000
5	4	10 - 17 L	463 - 308	1 ¼	4800
7.5	4	23 - 42 L	311 - 213	1 ½	7000
10	4	23 - 42 L	438 - 296	1 ½	9000
15	4	53 - 77 L	315 - 214	2	14200
20	4	53 - 77 L	397 - 270	2	19000

Geetanjali Solar Enterprise

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