SOLAR WATER PUMPING SYSTEMS

Solar water Pumping systems are reliable-do not use batteries for energy storage-easy to use-huge cost savings over Diesel generator used for water pumping

Solar water pumping systems-unlike conventional AC electricity powered water pumping systems- are possible to be designed only by knowing:

a) Total dynamic pumping head in meters/ feet
b) Expected daily average water requirement in Liters/day or m3/day
c) Site location to estimate expected solar resource availability

The major differences in specifying solar water Pump v/s a Conventional AC submersible pumps are:

1) Need to specify liters/day output v/s liters/minute/liters hour at the specified/defined pumping head-for Conventional AC Pumps.

2) The dynamic head in turn must be accounted for considering the static lift of water from the source to the discharge point.& the transportation piping friction and other losses, including the draw down levels that actually occur when any pumping is in progress.

Thus one needs to decide carefully the dynamic head in feet/meters that the pump must overcome-or the Installation shall fail.

3) Site's geographical locations to know/assess expected solar resources.

Please contact us giving details of all above, for further information, including sizing and design of the expected installation to make a successful solar water Pumping system installation:

Vistar Electronics Pvt. Ltd.

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