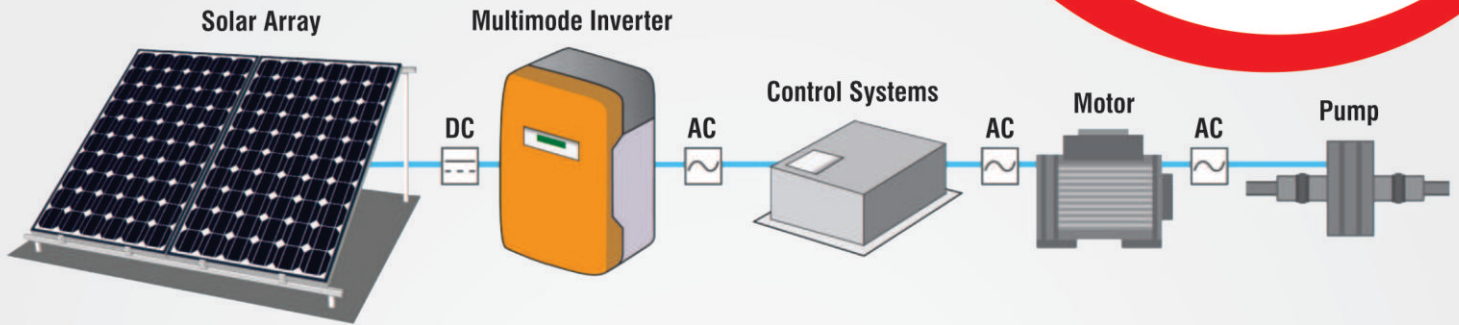




www.ajayengineers.com

Solar Photovoltaic Surface Pump (AC)



Indicative Technical Specifications of Shallow Well (Surface) Solar Pumping Systems with A.C. Induction Motor Pump-Set and/with a suitable Inverter:

PUMP TYPE	TECHNICAL DATA	PV ARRAY (Wp)	MOTOR PUMP-SET CAPACITY (HP)	SHUT OFF DYNAMIC HEAD (Meters)	WATER OUTPUT (Liters per Day)
15 SPV 1		900	1	12	89100 @ 10 M Total Head
25 SPV 2		1800	2	15	178200 @ 10 M Total Head
25 SPV 3		2700	3	15	267300 @ 10 M Total Head
252 SPV 3		2700	3	25	132300 @ 20 M Total Head
4 SPV 5		4800	5	15	475200 @ 10 M Total Head
325 SPV 5		4800	5	25	235200 @ 20 M Total Head
252 SPV 5		4800	5	45	168000 @ 30 M Total Head
4 SPV 75		6750	7.5	15	641025 @ 10 M Total Head
325 SPV 75		6750	7.5	25	330750 @ 20 M Total Head
252 SPV 75		6750	7.5	45	236250 @ 30 M Total Head
54 SPV 10		9000	10	15	890000 @ 10 M Total Head
4 SPV 10		9000	10	25	441000 @ 20 M Total Head
325 SPV 10		9000	10	45	324000 @ 30 M Total Head

* Water output figures are on a clear sunny day with three times tracking of SPV panel, under the "Average Daily Solar Radiation" condition of 7.15 kWh / sq.m. on the surface of PV array (i.e. coplanar with the PV Modules).

* The actual duration of pumping of water on a particular day and the quantity of water pumped could vary depending on the solar intensity, location, season, etc.

Notes

1. On request, pumps with 60 Hz - 3 Phase solar controllers can also be supplied.
2. For higher or lower head / PV capacity, or in between various models, or for desired water output other than above specified can be supplied with suitable solar controller.
3. Scope of Supply: MOTOR PUMP-SET; and SPV Controller with MPPT, Earthing Arrangement, Electronics and Protection, ON-OFF Switch.
4. Exclusion of Supply: Solar PV Array, SPV Module Mounting Structures, Civil Work any.

AJAY ENGINEERS

Works & Office : Plot No. 269, Phase-1
Opp. Road No. 4, G.I.D.C. Estate
Kathwada, Ahmedabad - 382 430.
(Gujarat) INDIA

+91 92277 92099 / +91 91060 24454
+91 98251 92099
contact@ajayengineers.com
www.ajayengineers.com

