

Technical Specification of Solar Deep well (submersible) Pumping Systems

With A.C. Induction Motor Pump Set and a suitable controller

Description	Model-I	Model-II	Model-III	Model-IV	Model-V	Model-VI
Solar PV array	1200 WP	1800 WP	3000 WP	3000 WP	4800 WP	4800 WP
Motor Capacity	1 hp	2 hp	3 hp	3 hp	5 hp	5 hp
Shut Off Dynamic Head	45 meters	45 meters	45 meters	70 meters	70 meters	100 meters
Water output* operational head	38,400 (LPD) 30 meters	57,600 (LPD) 30 meters	96,000 (LPD) 30 meters	57,000 (LPD) 50 meters	91,200 (LPD) 50 meters	62,400 (LPD) 70 meters

Description	Model-VII	Model-VIII	Model-IX	Model-X	Model-XI	Model-XII
Solar PV array	6750 WP	6750 WP	6750 WP	9,000 WP	9,000 WP	9,000 WP
Motor Capacity	7.5 hp	7.5 hp	7.5 hp	10 hp	10 hp	10 hp
Shut Off Dynamic Head	70 meters	100 meters	150 meters	70 meters	100 meters	150 meters
Water output* operational head	128,250(LPD) 50 meters	87,750 (LPD) 70 meters	57,375 (LPD) 100 meters	171,000(LPD) 50 meters	117,000 (LPD) 70 meters	76,500 (LPD) 100 meters
Module mounting structure	The PV modules should be mounted on metallic hot dip galvanized structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.					

**Water output figures are on a clear sunny day with three times tracking of SPV panel when solar radiation on tilt surface is: 7.15 KWH/sq.m/day*

Technical Specification of Solar Deep well (submersible/Mono) Pumping Systems:

With D.C. Motor Pump Set with Brushes or Brush less D.C.(B.L.D.C.)

Description	Model-I	Model-II	Model-III	Model-IV	Model-V	Model-VI
Solar PV array	1200 WP	1800 WP	3000 WP	3000 WP	4800 WP	4800 WP
Motor Capacity	1 hp	2 hp	3 hp	3 hp	5 hp	5 hp
Shut Off Dynamic Head	45 meters	45 meters	45 meters	70 meters	70 meters	100 meters
Water output* operational head	42,000 (LPD) 30 meters	63,000 (LPD) 30 meters	105,000 (LPD) 30 meters	63,000 (LPD) 50 meters	100,800 (LPD) 50 meters	67,200 (LPD) 70 meters

Description	Model-VII	Model-VIII	Model-IX	Model-X	Model-XI	Model-XII
SolarPV array	6750 WP	6750 WP	6750 WP	9,000 WP	9,000 WP	9,000 WP
Motor Capacity	7.5 hp	7.5 hp	7.5 hp	10 hp	10 hp	10 hp
Shut Off Dynamic Head	70 meters	100 meters	150 meters	70 meters	100 meters	150 meters
Water output* operational head	141,750 (LPD) 50 meters	94,500 (LPD)70 meters	64,125(LPD) 100 meters	189,000(LPD) 50 meters	126,000 (LPD) 70 meters	85,500 (LPD) 100 meters
Module mounting structure	The PV modules should be mounted on metallic hot dip galvanized structures of adequate strength and appropriate design, which can withstand load of modules and high wind velocities up to 150 km per hour.					

*. Water output figures are on a clear sunny day with three times tracking of SPV panel when solar radiation on tilt surface is: 7.15 KWH/sq.m/day