

STAINLESS STEEL SOLAR SUBMERSIBLE PUMPS



Dakar range of submersible pumps are made of corrosion and abrasion resistant stainless – steel and have been developed in accordance with state of art technology. The pumps are manufactured to highest standard for energy efficiency, dependable performance, rugged construction, and long service life.

SALIENT FEATURES

1. Stainless steel SS304 construction designed and built for year of trouble-free operation
2. Comply with MNRE/BIS standards.
3. Mounting specification according to NEMA standards.
4. High quality shaft bearing providing low friction and high wear resistance
5. Heavy-duty stainless-steel impellers & diffusers ensuring optimal performance
6. High efficiency electrical design for solar application
7. Rotors are painted with special epoxy paint for longer life.
8. All the rotating parts are balance in precision grade to reduce noise & vibration
9. Carbon V/S stainless steel thrust bearing are provided to withstand high thrust load
10. Winding wires are wrapped with superior polymer/PVC to withstand wide voltage fluctuation.

APPLICATION

1. Crop and plant irrigation
2. Drinking and cooking water supply
3. Swimming pools
4. Industrial water processing
5. Fountains, irrigation for Farming

MATERIAL OF CONSTRUCTION

MOTOR

Motor Shaft	: Fully Stainless Steel AISI 410
Stamping	: Silicon Steel
Casting Parts	: SS or Cast Iron FG200 grade.
Thrust Bearing	: Carbon V/s Stainless Steel
Copper	: EC grade min 99.90%

PUMP

Pump Shaft	: Fully Stainless Steel AISI410
Suction Housing	: SS 304
NRV Housing	: SS304
Impeller/Diffuser	: SS304
Neck ring	: NBR

TECHNICAL SPECIFICATION

Motor Type	: AC & PMSM
Motor Ratings	: V4 – 1 Hp to 7.5 Hp (Available in AC & PMSM) V6 – 3 Hp to 30HP
Head Range	: 10 to 300 meter
Flow Range	: 8 to 200 m ³ /h

Stainless-Steel Solar Submersible Pumps Performance Specification

AC SOLAR PUMPSET				
Model	HP	Head	LPD (Liter per Day)	PV Module Watt
DSOL -01-30/5AC	1	30	20000	900
DSOL -01-60/3AC		60	10000	900
DSOL -01-90/2AC		90	5000	900
DSOL -01-30/9AC	1	30	42000	1200
DSOL -02-30/9AC	2	30	63000	1800
DSOL -02-50/9AC		50	37800	1800
DSOL -02-70/9AC		70	25200	1800
DSOL -03-30/17AC	3	30	105000	3000
DSOL -03-50/9AC		50	63000	3000
DSOL -03-70/9AC		70	42000	3000
DSOL -05-30/30AC	5	30	168000	4800
DSOL -05-50/17AC		50	100800	4800
DSOL -05-70/9AC		70	67200	4800
DSOL -05-100/AC		100	43200	4800
DSOL -07-30/46AC	7.5	30	236250	6750
DSOL -07-50/17AC		50	141750	6750
DSOL -07-70/17AC		70	94500	6750
DSOL -07-100/9AC		100	60750	6750
DSOL -10-30/46AC	10	30	315000	9000
DSOL -10-50/30AC		50	189000	9000
DSOL -10-70/17AC		70	126000	9000
DSOL 10-100/17AC		100	81000	9000

DC SOLAR PUMPSET				
Model	HP	Head	LPD (Liter per Day)	PV Module Watt
DSOL -01-30/5DC	1	30	20000	900
DSOL -01-60/3DC		60	10000	900
DSOL -01-90/2DC		90	5000	900
DSOL -01-30/9DC	1	30	45600	1200
DSOL -02-30/9DC	2	30	68400	1800
DSOL -02-50/9DC		50	41400	1800
DSOL -02-70/9DC		70	27000	1800
DSOL -03-30/17DC	3	30	114000	3000
DSOL -03-50/9DC		50	69000	3000
DSOL -03-70/9DC		70	45000	3000
DSOL -05-30/30DC	5	30	182400	4800
DSOL -05-50/17DC		50	110400	4800
DSOL -05-70/9DC		70	72000	4800
DSOL -05-100/DC		100	50400	4800