

SOLAR PUMPS

SP-250W BLDC Self Priming Monoblock Pumpset



SP-250W BLDC Self Priming Monoblock Pumpset

Power Range	250 Watt
Suction Range	10 Feet
Head Range	30 Feet
Power Input	24-36 Volt DC
Outlet Size in Inch	1 Inch
Discharge Capacity	20 Litres per min (LPM)
Required Solar Panel	335 Watt

V4-4H Solar Submersible Pumps - BLDC/PMSM-Cast Iron Helical Rotor Type

Description

specially design water-filled 8 pole BLDC/PMSM Cast Iron submersible motor and Helical Rotor pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump.4H series is suitable for 4.5" or above bore well dia

- 12 slot 8 pole Patented design
- 4H is special design with Cast Iron for longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- water filled BLDC/PMSM motor
- Higher 3150 RPM
- Hp Range 0.25 HP



Sr. No	Watt	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	300	4H-0330	30	6000	1"	24	330W

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	Casting iron
2	Motor Upper Housing & Lower Housing	Casting iron
3	Pump N.R.V	Casting iron
4	Pump Suction	Casting iron
5	Impeller	SS Helical Screw

V4-4CI Solar Submersible Pumps - BLDC/PMSM-Cast Iron Noryl Centrifugal Type

Description

special design water-filled 8 pole BLDC/PMSM Cast Iron submersible motor and Noryl Bowl Impaler pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency than conventional ac submersible pump. 4CI series is suitable for 4.5" or above bore well dia

- 12 slot 8 pole Patented design
- 4SS series is special design with Cast Iron for longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- water filled BLDC/PMSM motor
- Higher 3150 RPM
- Hp Range 0.25 HP to 5 HP
- Head Range 10m to 130m
- Voltage 36V to 600V range



Sr. No	HP	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	4CI-0520	20	10000	1"	48	700Wp(330W x 2)
2		4CI-0540	40	5500	1"	48	700Wp(330W x 2)
3	1.0	4CI-1020	20	35000	2.0"	72	1000Wp(330W x 3)
4		4CI-1030	30	20000	1.5"	72	1000Wp(330W x 3)
5		4CI-1050	50	11000	1.25"	72	1000Wp(330W x 3)
6		4CI-1070	70	5500	1.25"	72	1000Wp(330W x 3)
7	2.0	4CI-2020	20	84000	2.0"	160	2000Wp(330W x 6)
8		4CI-2030	30	60000	2.0"	160	2000Wp(330W x 6)
9		4CI-2060	60	28500	1.5"	160	2000Wp(330W x 6)
10		4CI-2090	90	12500	1.25"	160	2000Wp(330W x 6)
11		4CI-20120	120	5500	1.25"	160V	2000Wp(330W x 6)
12	3.0	4CI-3030	30	96000	2.5"	230	3000Wp(330W x 9)
13		4CI-3050	50	60000	2.0"	230	3000Wp(330W x 9)
14		4CI-3070	70	40000	1.5"	230	3000Wp(330W x 9)
15		4CI-30100	100	28500	1.25"	230	3000Wp(330W x 9)
16	5.0	4CI-30120	120	12600	1.25"	230	3000Wp(330W x 9)
17		4CI-5030	30	130000	2.5"	380	5000Wp(330W x 15)
18		4CI-5050	50	98000	2.0"	380	5000Wp(330W x 15)
19		4CI-5070	70	70000	2.0"	380	5000Wp(330W x 15)
20		4CI-50100	100	50500	2.0"	380	5000Wp(330W x 15)
21		4CI-50130	130	16800	1.5"	380	5000Wp(330W x 15)

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	Casting iron
2	Motor Upper Housing & Lower Housing	Casting iron
3	Pump N.R.V	Casting iron
4	Pump Suction	Casting iron
5	Bowl & Impeller	Noryl

V4-4SS Solar Submersible Pumps–BLDC/PMSM–Fully Stainless Steel Fabricated centrifugal type

Description

specialty design water- filled 8 pole BLDC/PMSM stainless steel submersible motor and Stainless steel fabricated pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump.4ss series is suitable for 4.5" or above bore well dia

- 12 slot 8 pole Patented design
- 4SS series is special design with stainless steel for long lasting and longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- water filled BLDC PMSM motor
- Higher 3150 RPM
- Hp Range 0.25 HP to 5 HP
- Head Range 10m to 130m
- Voltage 36V to 600V range



Sr. No	HP	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	4SS-0520	20	10000	1.25"	48	700Wp(330W x 2)
		4SS-0540	40	5500	1.25"	48	700Wp(330W x 2)
2	1.0	4SS-1020	20	40000	2.0"	72	1000Wp(330W x 3)
3		4SS-1030	30	25000	1.5"	72	1000Wp(330W x 3)
4		4SS-1060	60	12500	1.25"	72	1000Wp(330W x 3)
5		4SS-1090	90	6700	1.25"	72	1000Wp(330W x 3)
6		4SS-2020	20	110000	2.0"	160	2000Wp(330W x 6)
7	2.0	4SS-2030	30	70000	2.0"	160	2000Wp(330W x 6)
8		4SS-2060	60	31500	1.5"	160	2000Wp(330W x 6)
9		4SS-2090	90	15500	1.25"	160	2000Wp(330W x 6)
10		4SS-0120	120	8500	1.25"	160	2000Wp(330W x 6)
11	3.0	4SS-3030	30	105000	2.0"	230	3000Wp(330W x 9)
12		4SS-3050	50	66000	2.0"	230	3000Wp(330W x 9)
13		4SS-3070	70	45000	1.5"	230	3000Wp(330W x 9)
14		4SS-30100	100	31500	1.25"	230	3000Wp(330W x 9)
15		4SS-30120	120	18500	1.25"	230	3000Wp(330W x 9)
16	5.0	4SS-5030	30	150000	2.5"	380	5000Wp(330W x 15)
17		4SS-5050	50	110000	2.0"	380	5000Wp(330W x 15)
18		4SS-5070	70	75000	2.0"	380	5000Wp(330W x 15)
19		4SS-50100	100	52500	2.0"	380	5000Wp(330W x 15)
20		4SS-50130	130	20500	1.5"	380	5000Wp(330W x 15)

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	SS
2	Motor Upper Housing & Lower Housing	SS
3	Pump N.R.V	SS
4	Pump Suction	SS
5	Bowl & Impeller	SS 304

V3-3H Solar Submersible Pumps – BLDC/PMSM- Cast Iron Helical rotor type
Description

specially design water-filled 6 pole BLDC/PMSM Cast Iron submersible motor and Helical Rotor type pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. 3CI series is suitable for 3.5" or above bore well dia

- 18 slot 6 pole design
- 3CI series is special design with Cast Iron for longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- Water filled BLDC/PMSM motor
- Higher 3150 RPM
- Hp Range 0.25 HP
- Head Range 10m to 30m



Sr. No	Watt	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	250	3H-0250	25	5000	1"	24	335W

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	Casting iron
2	Motor Upper Housing & Lower Housing	Casting iron
3	Pump N.R.V	Casting iron
4	Pump Suction	Casting iron
5	Impeller	SS Helical Screw

V3-3SS Solar Submersible Pumps – BLDC/PMSM- stainless steel centrifugal type

Description

special design water- filled 6 pole BLDC/PMSM stainless steel submersible motor and Stainless steel Noryl pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency than conventional ac submersible pump. V3SS series is suitable for 3.5" or above bore well dia

- 18 slot 6 pole design
- 3SS series is special design with stainless steel for long lasting and longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- water filled BLDC PMSM motor
- Higher 3150 RPM
- Hp Range 0.5 HP & 1 HP
- Head Range 10m to 50m
- Voltage 24V to 72V range



Sr. No	HP	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	3SS-0530	30	8500	1.00"	48	700Wp(330W x 2)
2	1	3SS-0150	50	10000	1.00"	72	1000Wp(330W x 3)

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	Stainless steel
2	Motor Upper Housing & Lower Housing	Stainless steel
3	Pump N.R.V	Stainless steel
4	Pump Suction	Stainless steel
5	Bowl & Impeller	Noryl

V3-3CI Solar Submersible Pumps – BLDC/PMSM- Cast Iron centrifugal type
Description

specially design water-filled 6 pole BLDC/PMSM Cast Iron submersible motor and Noryl Bowl Impaler type pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. 3CI series is suitable for 3.5" or above bore well dia

- 18 slot 6 pole design
- 3CI series is special design with Cast Iron for longer life
- use of high grade CRNO stamping for higher efficiency
- use of NdFeb neodymium magnet with NICKEL and marine grade coating for corrosion free long life
- NEMA motor coupling

Technical Specification

- water filled BLDC PMSM motor
- Higher 3150 RPM
- Hp Range 0.25 HP to 1 HP
- Head Range 10m to 50m
- Voltage 24V to 72V range



Sr. No	HP	Model	Head In Mtr	Flow Rate in LPD	Outlet In Inch Outlet	Rated Voltage Rated	Solar Power Require
1	0.5	3CI-0530	30	8500	1.00"	48	700Wp(330W x 2)
2	1	3CI-0140	40	9000	1.00"	72	1000Wp(330W x 3)

Material Description.

Sr. No	Parts Name	Material
1	Motor Base	Casting iron
2	Motor Upper Housing & Lower Housing	Casting iron
3	Pump N.R.V	Casting iron
4	Pump Suction	Casting iron
5	Bowl & Impeller	Noryl