



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

specialy 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

specialty 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	3.0	4CI-20120	120	5500	1.25"	160V	2000Wp(330W x 6)
12		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	5.0	4CI-30100	100	28500	1.25"	230	3000Wp(330W x 9)
16		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

specialy 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	3.0	4SS-0120	120	8500	1.25"	160	2000Wp(330W x 6)
11		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	5.0	4SS-30100	100	31500	1.25"	230	3000Wp(330W x 9)
15		4SS-30120	120	18500	1.25"	230	3000Wp(330W x 9)
16		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

special 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 than 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

specialy 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 then 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 CRND 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

specialy 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



"MMP" SERIES

WATER RATING CHART

APPROXIMATE PERFORMANCE OF MMP SERIES, 2 POLE, MONOBLOCK PUMP,
RATED VOLTAGE, 50 HZ, THREE PHASE A.C. POWER SUPPLY

PUMP MODEL	POWER RATING		PIPE SIZE		TOTAL HEAD IN METER																
	KW	HP	SUC	DEL	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
					CAPACITY IN LITERS PER SECOND																
MMP-0515	0.37	0.5	25	25	2.0	1.9	1.8	1.0	0.2												
MMP-130	0.75	1.0	25	25			2.7	2.3	2.1	1.8	1.3	0.9	0.7	0.4	0.0						
MMP-115	0.75	1.0	40	40		5.4	4.7	3.8	1.7	1.5											
MMP-224	1.5	2.0	50	50				5.8	5.3	5.0	4.7	3.5	3.0	2.0	2.0	1.2					
* MMP-325	2.2	3.0	65	50			9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9						
* MMP-335	2.2	3.0	50	40				5.0	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	
MMP-515	3.7	5.0	100	100	32.8	31	28.0	24.2	19.0	12.8											
MMP-520	3.7	5.0	80	80	23.5	22.8	21.9	20.8	19.4	17.7	15.9	13.9	10.8								
MMP-527	3.7	5.0	80	65						14.2	13.4	12.6	11.6	10.3	8.7	5.8					
* MMP-538	3.7	5.0	65	50								8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	
MMP-822	5.5	7.5	100	100				27.1	25.5	23.9	22.0	20.0	17.5	14.2							
* MMP-830	5.5	7.5	80	65						19.0	18.2	17.3	16.4	14.2	13.0	11.1					
MMP-837	5.5	7.5	65	65										12.6	12.4	12.1	11.8	11.3	10.0	9.2	
MMP-1030	7.5	10.0	100	100				31.9	30.7	29.4	28	26.5	25	23.3	21.2	17.5		13			
MMP-1331	9.3	12.5	100	100								33.3	32	30	28.5	26	23.3	19.5	13		
MMP-1537	11	15.0	100	100								36.7	35.8	34.1	33.3	32	30	27.6	25	20	17.5

PUMP MODEL	POWER RATING		PIPE SIZE MM		TOTAL HEAD IN METER																					
	KW	HP	SUC	DEL	28	32	36	40	44	48	52	55	60	64	68	72	76	80	90	94						
					CAPACITY IN LITERS PER SECOND																					
MMP-550	3.7	5.0	50	40			4.1	3.9	3.7	2.7	2.0															
* MMP-852	5.5	7.5	65	50		8.6	8.1	7.5	6.8	5.9	4.5	3.5														
* MMP-1040	7.5	10.0	80	65	17.8	15.9	13.3	9.5			18 M HEAD AT 20 LPS															
MMP-1065	7.5	10.0	65	50				7.5	7.1	6.8	6.4	6.0	5.3	4.3	3.0											
MMP-1348	9.3	12.5	80	65	17.9	17.0	16.0	14.8	11.6		20 M HEAD AT 19 LPS															
MMP-1372	9.3	12.5	65	50					8.0	7.9	7.8	7.6	7.2	6.2	5.6	3.0										
MMP-1555	11.0	15.0	80	65		19.2	18.3	17.3	15.8	14.6	11.0	9.7														
MMP-1575	11.0	15.0	65	50						8.3	8.0	7.8	7.4	7.0	6.5	5.8	4.5									

PUMP MODEL	KW	HP	SUC	DEL	TOTAL HEAD IN METER															
					5	6	8	10	12	14	16	18	20	22						
					CAPACITY IN LITERS PER SECOND															
MMP-512	3.7	5	100	100																
MMP-810	5.5	7.5	150	150																
MMP-818	5.5	7.5	100	100	63	60	53	41												
MMP-1014	7.5	10	150	150					34	32.1	29	25.5	19.2							
MMP-1022	7.5	10	100	100		73	68	51	30.4	18.3										
											36.3	33	29.2	24	18					



"MMP" SERIES



CENTRIFUGAL BARE PUMP



**CENTRIFUGAL
MONOBLOCK PUMP**



**CENTRIFUGAL
BARE PUMP WITH FLP MOTOR**



**CENTRIFUGAL
MONOBLOCK FLP PUMP**



**CENTRIFUGAL
FLP FLANGE MOUTED
MONOBLOCK PUMP**



**CENTRIFUGAL FIRE FIGHTING
MONOBLOCK PUMP**



**CENTRIFUGAL FIRE FIGHTING
COUPLED PUMP WITH CANOPY**



**CENTRIFUGAL
MONOBLOCK FLP PUMP WITH
BASE FRAME & TROLLEY**