

BALSON[®]

Solar Systems



Switch to solar and save money while fighting climate change.

WHO WE ARE ?

We are a globally renowned name in the field of irrigation technology. Balson Polyplast Pvt. Ltd. a leader in the development, manufacture, and marketing of advanced irrigation systems, was established in 1999. Within a short span of time, the company grew into an industry leader as an ISO 9001:2008 certified manufacturer and exporter of a wide range of world-class products.

At Balson Polyplast Pvt. Ltd., our aim is to provide a one-stop solution to our clients. We maintain international quality standards with all our products and services and also endeavor to continually improve our performance incorporating the latest technology and bringing innovation into our research works.

Balson Polyplast Pvt. Ltd. is a highly reputed manufacturer and exporter of a premium range of irrigation related products. The comprehensive range provides advanced irrigation solutions for any crop, under all climatic conditions and in all types of soil, for customers in every corner of the globe.

Balson Polyplast Pvt. have all MNRE approved solar pumps One of the prestigious project have done with joint coloration of German & Indian Govt. at Leh for space heating. Where solar energy store and make space heated at night hours.

Balson Polyplast Pvt. are approved by MNRE as a channel partner for solar water pumping systems Solar Water Heater, Solar Rooftop and Solar Cooker Company have Four branches in India at Ahmedabad, Aurangabad, Roorkee & Durgapur. Uratom has wide dealer network in Gujarat, Rajasthan, Maharashtra, Chhattisgarh, Madhya Pradesh, Karnataka, Andhra Pradesh, Delhi, Haryana, Himachal Pradesh, Punjab and Jammu & Kashmir & West Bengal.



OUR MISSION

We intend to promote use of solar energy by...

- Developing and delivering innovative solar solutions.
- Making the solutions accessible, viable and affordable.
- Achieving and enhancing complete customer satisfaction

OUR VISION

Creating sustainable and eco-friendly future for our Mother Earth by optimum use of solar energy.

QUALITY POLICY

We are committed to achieve customer satisfaction by product quality of solar water heater and solar lighting systems, also committed to minimize adverse impact arising due to products & manufacturing processes on employees & environment.

We are committed to comply our integrated management system as per requirements of international standards & applicable legal requirements.

We will do continual improvement in integrated management system by preventing pollution & fulfilling quality objectives, targets, programs and legal requirements.





Solar System Source of Savings

Investing in solar systems solutions not only protects the environment, but also leads to great savings. BALSON Solar offers solar rooftop for residential, commercial, industrial, institutional projects and farming so you can increase your savings.

Rooftop Solar System

A solar system mounted on a rooftop of a building is a mini-power plant. That converts solar energy into electricity to meet the property's power requirements. Although anyone can install a solar rooftop system, the size of the installation varies significantly depending on availability of space, amount of electricity consumed by the property, and the ability or willingness of the owner to invest the capital required.

Main Components

Solar panels
Support structure for solar module
Inverter
Cables & Other Accessories

Benefits

No electricity cost as your solar system fulfills all your Electricity requirements

Availability of electricity even in the event of a power outage

Empowers you to become independent for your electricity need

Raises value of your home or building

Reduces greenhouse gas emission

Preserves environment and resources for future generation

Water Pump Solar System

A solar pump is an application of photovoltaic technology which converts solar energy into electricity to run motor and pump. The motor powered by solar energy draws water out of the bore well, river, lake or pond.

The photovoltaic cells in solar modules convert sunlight into Direct Current (DC) electrical energy. This DC energy is then fed to the Motor Pump Set via Pump Controller in case of DC pump or via Variable Frequency Drive (VFD) in case of AC pumps (VFD controls speed of Motor). The Pumping system is a combination of an impeller and a motor; the impeller propels water movement and the motor drives the pump. The water is propelled out of the bore well/river/lake/pond through the pipe so that water can then be fed to the fields for irrigation and other purposes. Water output varies during the day depending upon varying solar irradiance.

Main Components

Water Pump
Solar Panels
Batteries
Pump Controller
Inverter
Pipe, Cables & Other Accessories

Benefits

A solar powered water pump is more efficient to operate. These pumps have low maintenance and installation costs.

The solar pumps utilize in places where grid power is not available, and substitutional energy sources (especially wind power) cannot provide enough power.

No dependence on erratic grid power and saving on expensive diesel.

Higher yield during the day time when crop gets all the necessary ingredients- sunlight and water

Water output across all seasons to cultivate multiple crops every year.

One time investment and then zero running costs (free sunlight) for many years to come.

Easy for farmers to cultivate the land during day time rather than at night time when grid is erratic.

Drip and sprinkler systems can be connected with the solar system to further improve crop yield.

Solar system needs no maintenance except regular cleaning of the modules - no consumables; easy to operate.

As water can be harnessed any time of the day, the user can plan his other activities independently

Contribution to reduction of carbon emissions and pollution.



SAVE WATER WITH THE POWER OF SUN

Water is the most important and valuable natural resource on Earth. It sustains all life. There is no life without water. Water is not only important for human beings but for the entire ecosystem. Without enough water, the existence of humans, as well as animals, is next to impossible. After fresh air, water is the second most important natural resource for the survival of any living being



V3-CI Solar Submersible Pumps – BLDC/PMSM

Cast Iron Type



Description

Balson Polyplast Pvt. has specially design water-filled 6 pole BLDC/PMSM Cast Iron submersible motor with noryl rotor centrifugal pump and maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V3-CI series is suitable for 3.5" or above bore well dia

- 18 slot 6 pole Patented design
- V3-CI 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 0.5 HP to 2.0 HP
- 150 Hz operation

SR. No.	V3	HP	Model	Head (in MTR)	Max Head (in MTR)	Flow Rate in LPD	Outlet in inch Outlet	Require Power
1	V3	0.5	3CI-0530	30	50	10500	1"	700Wp
2	V3	1.0	3CI-1030	30	50	16800	1"	1000 Wp
3	V3	1.0	3CI-1060	60	90	10500	1"	1000 Wp
4	V3	2.0	3CI-2090	90	120	10500	1"	2000 Wp

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

SOLAR BLDC
SUBMERSIBLE PUMP SET

V3-SS Solar Submersible Pumps – BLDC/PMSM

Stainless
Steel Type



Description

Balson Polyplast Pvt. has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor with Stainless steel fabricated bowl impeller and maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V3-SS series is suitable for 3.5" or above bore well dia

- 18 slot 6 pole Patented design
- V3-SS is special design with Stainless Steel 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 0.5 HP to 2.0 HP
- 150 Hz operation

Sr. No.	V3	HP	Model	Head (in MTR)	Shut off Head in (in MTR)	Flow Rate in LPD	Outlet in inch Outlet	Require Power
1	V3	0.25	V3SS-2515	15	30	13440	1.25"	350Wp
2	V3	0.5	V3SS-0530	30	45	12180	1.25"	700 Wp
3	V3	1.0	V3SS-1060	60	60	12180	1.25"	1050 Wp
4	V3	1.0	V3SS-1090	90	90	6300	1.25"	1050 Wp
5	V3	2.0	V3SS-2090	90	120	14700	1.25"	2100 Wp

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	Stainless Steel

V4-CI Solar Submersible Pumps - BLDC/PMSM

Cast Iron Type



Description

Balson Polyplast Pvt. has specially design water-filled 6 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 then conventional ac submersible pump. V4-CI series is suitable for 4.5" or above bore well dia

- 18 slot 6 pole Patented design
- V4-CI 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
- Head Range 10m to 130m
- Higher 3150 RPM
- Voltage 36V to 600V Range
- HP Range 0.25 HP to 5 HP

SR. No.	V4	HP	Model	Head (in MTR)	Shut off Head in (in MTR)	Flow Rate in LPD	Outlet in inch Outlet	Require Power
1	V4	0.5	4CI-0530	30	50	12600	1.0"	670Wp
2	V4	1.0	4CI-130	30	50	17640	1.25"	960Wp
3	V4	1.0	4CI-160	60	90	11760	1.0"	960Wp
4	V4	1.0	4CI-190	90	120	6300	1.0"	960Wp
5	V4	2.0	4CI-230	30	50	69300	2.0"	2010Wp
6	V4	2.0	4CI-250	50	70	34440	1.25"	2010Wp
7	V4	2.0	4CI-270	70	100	18480	1.25"	2010Wp
8	V4	2.0	4CI-2100	100	120	12600	1.25"	2010Wp
9	V4	3.0	4CI-330	30	50	94500	2.0"	3000Wp
10	V4	3.0	4CI-350	50	70	69300	1.5"	3000Wp
11	V4	3.0	4CI-370	70	100	49560	1.5"	3000Wp
12	V4	3.0	4CI-3100	100	120	23100	1.25"	3000Wp
13	V4	5.0	4CI-530	30	50	147100	2.5"	4800Wp
14	V4	5.0	4CI-550	50	70	107100	2.0"	4800Wp
15	V4	5.0	4CI-570	70	100	69300	2.0"	4800Wp
16	V4	5.0	4CI-5100	100	120	49560	1.5"	4800Wp
17	V4	5.0	4CI-5130	130	150	23100	1.25"	4800Wp

Material Description

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

SOLAR BLDC
SUBMERSIBLE PUMP SET

V4-SS DC Solar Submersible Pumps – BLDC/PMSM

Stainless
Steel Type



Description

Balson Polyplast Pvt. has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Fabricated Bowl Impaler pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V4-SS series is suitable for 4.5" or above bore well dia

- 18 slot 6 pole Patented design
- V4-SS series is special design with Stainless Steel 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
- Head Range 10m to 130m
- Higher 3150 RPM
- Voltage 36V to 600V Range
- HP Range 0.25 HP to 5 HP

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPM	Outlet	Require Power
1	4SSD-130	1 HP DC	30 M	50 M	34200	1.25"	1000 Wp
2	4SSD-160	1 HP DC	60 M	90 M	20700	1.25"	1000 Wp
3	4SSD-190	1 HP DC	90 M	120 M	9450	1.25"	1000 Wp
4	4SSD-230	2 HP DC	30 M	50 M	68400	2"	2000 Wp
5	4SSD-250	2 HP DC	50M	70 M	41400	1.25"	2000 Wp
6	4SSD-270	2 HP DC	70M	100 M	27000	1.25"	2000 Wp
7	4SSD-2100	2 HP DC	100M	120M	18900	1.25"	2000 Wp
8	4SSD-330	3 HP DC	30 M	50 M	114000	2.5"	3000 Wp
9	4SSD-350	3 HP DC	50M	70 M	69000	2"	3000 Wp
10	4SSD-370	3 HP DC	70M	100 M	45000	2"	3000 Wp
11	4SSD-3100	3 HP DC	100M	120M	31500	1.25"	3000 Wp
12	4SSD-530	5 HP DC	30 M	50 M	182400	3"	4800 Wp
13	4SSD-550	5 HP DC	50M	70 M	110400	2.5"	4800 Wp
14	4SSD-570	5 HP DC	70M	100 M	72000	2"	4800 Wp
15	4SSD-5100	5 HP DC	100M	120M	50400	1.25"	4800 Wp
16	4SSD-146	5 HP DC	120M	150M	45600	1.25"	4800 Wp

Material Description

Sr. No	Parts Name	Material
1	Motor Base, Upper Housing & Lower Housing	Stainless Steel
2	Pump N.R.V & Pump Suction	Stainless Steel
3	Bowl & Impeller	SS304

V4-SS AC Solar Submersible Pumps

**Stainless
Steel Type**



Description

The 4" AC Solar Submersible Pump Set developed by Uratom is solar-powered water pump system that uses a 4" AC asynchronous Motor to drive the 4" pump. The system is designed for use in remote areas where access to grid electricity is limited or non-existent, and where the availability of solar energy is abundant.

- V4-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- NEMA motor coupling

Technical Specification

- Water Filled AC Motor
- Higher 3150 RPM
- HP Range 0.25 HP to 5 HP
- Head Range 10m to 130m
- Voltage 36V to 600V Range

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPM	Outlet	Require Power
1	4SSA-130	1 HP AC	30 M	50 M	32200	1.25"	1000 Wp
2	4SSA-160	1 HP AC	60 M	90 M	18700	1.25"	1000 Wp
3	4SSA-190	1 HP AC	90 M	120 M	7450	1.25"	1000 Wp
4	4SSA-230	2 HP AC	30 M	50 M	66400	2"	2000 Wp
5	4SSA-250	2 HP AC	50M	70 M	39400	1.25"	2000 Wp
6	4SSA-270	2 HP AC	70M	100 M	25000	1.25"	2000 Wp
7	4SSA-2100	2 HP AC	100M	120M	16900	1.25"	2000 Wp
8	4SSA-330	3 HP AC	30 M	50 M	112000	2.5"	3000 Wp
9	4SSA-350	3 HP AC	50M	70 M	67000	2"	3000 Wp
10	4SSA-370	3 HP AC	70M	100 M	43000	2"	3000 Wp
11	4SSA-3100	3 HP AC	100M	120M	29500	1.25"	3000 Wp
12	4SSA-530	5 HP AC	30 M	50 M	180400	3"	4800 Wp
13	4SSA-550	5 HP AC	50M	70 M	108400	2.5"	4800 Wp
14	4SSA-570	5 HP AC	70M	100 M	70000	2"	4800 Wp
15	4SSA-5100	5 HP AC	100M	120M	48400	1.25"	4800 Wp
16	4SSA-146	5 HP AC	120M	150M	43600	1.25"	4800 Wp

Material Description

Sr. No	Parts Name	Material
1	Motor Base, Upper Housing & Lower Housing	Stainless Steel
2	Pump N.R.V & Pump Suction	Stainless Steel
3	Bowl & Impeller	SS304

SOLAR BLDC
SUBMERSIBLE PUMP SET

V6-SS DC Solar Submersible Pumps – BLDC/PMSM



Description

Balson Polyplast Pvt. has specially design water-filled 6 pole BLDC/PMSM Stainless Steel submersible motor and Fabricated Bowl Impaler pump with maximum utilization of solar energy during sunny days, BLDC PMSM motor set has 30% higher energy efficiency then conventional ac submersible pump. V6-SS series is suitable for 6.5" or above bore well dia

- 16 slot 6 pole Patented design
- V6-SS series is special design with Stainless Steel 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
- Head Range 30m to 200m
- Higher 3150 RPM
- Voltage 300V to 600V Range
- HP Range 5 HP to 20 HP

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPD	Outlet	Require Power
1	6SSD-530	5 HP DC	30 M	45M	182400	3"	4800Wp
2	6SSD-550	5 HP DC	50M	70 M	110400	2.5"	4800Wp
3	6SSD-570	5 HP DC	70M	100 M	72000	2"	4800Wp
4	6SSD-5100	5 HP DC	100M	120 M	50400	1.5"	4800Wp
5	6SSD-7530	7.5 HP DC	30 M	45 M	256500	3"	4800Wp
6	6SSD-7550	7.5 HP DC	50M	70 M	155250	2.5"	4800Wp
7	6SSD-7570	7.5 HP DC	70M	100 M	101250	2"	6750 Wp
8	6SSD-75100	7.5 HP DC	100M	120M	70875	2"	6750 Wp
9	6SSD-1030	10 HP DC	30 M	50 M	342000	3"	9900 Wp
10	6SSD-1050	10 HP DC	50M	70 M	207000	3"	9900 Wp
11	6SSD-1070	10 HP DC	70M	100 M	135000	2.5"	9900 Wp
12	6SSD-10100	10 HP DC	100M	120M	94500	2.5"	9900 Wp
13	6SSD-10150	10 HP DC	150M	180M	67500	2"	9900 Wp
14	6SSD-1230	12.5 HP DC	30 M	50 M	427500	4"	13500Wp
15	6SSD-1250	12.5 HP DC	50M	70 M	258750	3"	13500Wp
16	6SSD-1270	12.5 HP DC	70M	100 M	168750	3"	13500Wp
17	6SSD-12100	12.5 HP DC	100M	120M	118125	3"	13500Wp
18	6SSD-12150	12.5 HP DC	150M	180M	84375	2.5"	13500Wp
19	6SSD-12200	12.5 HP DC	200M	230M	61875	2"	13500Wp
20	6SSD-12250	12.5 HP DC	250M	280M	50625	1.5"	13500Wp

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPD	Outlet	Require Power
21	6SSD-12300	12.5 HP DC	300M	320M	40150	1.5"	13500Wp
22	6SSD-1530	15 HP DC	30 M	50M	513000	4"	15000Wp
23	6SSD-1550	15 HP DC	50M	70M	310500	3"	15000Wp
24	6SSD-1570	15 HP DC	70M	100M	202500	3"	15000Wp
25	6SSD-15100	15 HP DC	100M	120M	141750	3"	15000Wp
26	6SSD-15150	15 HP DC	150M	180M	101250	3"	15000Wp
27	6SSD-15200	15 HP DC	200M	230M	74250	2.5"	15000Wp
28	6SSD-15250	15 HP DC	250M	280M	60750	2"	15000Wp
29	6SSD-15300	15 HP DC	300M	320M	50250	1.5"	15000Wp
30	6SSD-15350	15 HP DC	350M	380M	45890	1.5"	15000Wp
31	6SSD-15400	15 HP DC	400M	430M	38640	1.5"	15000Wp
32	6SSD-1730	17.5 HP DC	30M	50M	598500	4"	15000Wp
33	6SSD-1750	17.5 HP DC	50M	70M	362250	3"	15000Wp
34	6SSD-1770	17.5 HP DC	70M	100M	236250	3"	15000Wp
35	6SSD-17100	17.5 HP DC	100M	120M	165375	3"	15000Wp
36	6SSD-17150	17.5 HP DC	150M	180M	118125	3"	15000Wp
37	6SSD-17200	17.5 HP DC	200M	230M	86625	2.5"	15000Wp
38	6SSD-17250	17.5 HP DC	250M	280M	70875	2.5"	15000Wp
39	6SSD-17300	17.5 HP DC	300M	320M	60890	2"	15000Wp
40	6SSD-17350	17.5 HP DC	350M	380M	50980	1.5"	15000Wp
41	6SSD-17400	17.5 HP DC	400M	430M	45650	1.5"	15000Wp
42	6SSD-2030	20 HP DC	30 M	50M	684000	4"	20000Wp
43	6SSD-2050	20 HP DC	50M	70M	414000	3"	20000Wp
44	6SSD-2070	20 HP DC	70M	100M	270000	3"	20000Wp
45	6SSD-20100	20 HP DC	100M	120M	189000	3"	20000Wp
46	6SSD-20150	20 HP DC	150M	180M	135000	3"	20000Wp
47	6SSD-20200	20 HP DC	200M	230M	99000	3"	20000Wp
48	6SSD-20250	20 HP DC	250M	280M	81000	2.5"	20000Wp
49	6SSD-20300	20 HP DC	300M	320M	72000	2.5"	20000Wp
50	6SSD-20350	20 HP DC	350M	380M	62000	2"	20000Wp
51	6SSD-20400	20 HP DC	400M	430M	55000	1.5"	20000Wp

Material Description

Sr. No	Parts Name	Material
1	Motor Base, Upper Housing & Lower Housing	Stainless Steel
2	Pump N.R.V & Pump Suction	Stainless Steel
3	Bowl & Impeller	SS304

SOLAR BLDC
SUBMERSIBLE PUMP SET

V6-SS AC Solar Submersible Pumps



Description

The 6" AC Solar Submersible Pump Set developed by Uratom is solar-powered water pump system that uses a 6" AC asynchronous Motor to drive the 6" pump. The system is designed for use in remote areas where access to grid electricity is limited or non-existent, and where the availability of solar energy is abundant.

- V6-SS series is special design with Stainless Steel for longer life
- Use of high grade CRNO stamping for higher efficiency
- NEMA motor coupling

Technical Specification

- Water Filled AC Motor
- Higher 3150 RPM
- HP Range 5 HP to 20 HP
- Head Range 30m to 200m
- Voltage 300V to 600V Range

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPD	Outlet	Require Power
1	6SSA-530	5 HP AC	30 M	45M	177400	3"	4800Wp
2	6SSA-550	5 HP AC	50M	70 M	105400	2.5"	4800Wp
3	6SSA-570	5 HP AC	70M	100 M	67000	2"	4800Wp
4	6SSA-5100	5 HP AC	100M	120 M	45400	1.5"	4800Wp
5	6SSA-7530	7.5 HP AC	30 M	45 M	251500	3"	4800Wp
6	6SSA-7550	7.5 HP AC	50M	70 M	150250	2.5"	4800Wp
7	6SSA-7570	7.5 HP AC	70M	100 M	96250	2"	6750 Wp
8	6SSA-75100	7.5 HP AC	100M	120M	65875	2"	6750 Wp
9	6SSA-1030	10 HP AC	30 M	50 M	337000	3"	9900 Wp
10	6SSA-1050	10 HP AC	50M	70 M	202000	3"	9900 Wp
11	6SSA-1070	10 HP AC	70M	100 M	130000	2.5"	9900 Wp
12	6SSA-10100	10 HP AC	100M	120M	89500	2.5"	9900 Wp
13	6SSA-10150	10 HP AC	150M	180M	62500	2"	9900 Wp
14	6SSA-1230	12.5 HP AC	30 M	50 M	422500	4"	13500Wp
15	6SSA-1250	12.5 HP AC	50M	70 M	253750	3"	13500Wp
16	6SSA-1270	12.5 HP AC	70M	100 M	163750	3"	13500Wp
17	6SSA-12100	12.5 HP AC	100M	120M	113125	3"	13500Wp
18	6SSA-12150	12.5 HP AC	150M	180M	79375	2.5"	13500Wp
19	6SSA-12200	12.5 HP AC	200M	230M	56875	2"	13500Wp
20	6SSA-12250	12.5 HP AC	250M	280M	45625	1.5"	13500Wp

SR. No.	Model	HP	Head (in MTR)	Shut Off Head	Discharge /LPD	Outlet	Require Power
21	6SSA-12300	12.5 HP AC	300M	320M	35150	1.5"	13500Wp
22	6SSA-1530	15 HP AC	30 M	50M	508000	4"	15000Wp
23	6SSA-1550	15 HP AC	50M	70M	305500	3"	15000Wp
24	6SSA-1570	15 HP AC	70M	100M	197500	3"	15000Wp
25	6SSA-15100	15 HP AC	100M	120M	136750	3"	15000Wp
26	6SSA-15150	15 HP AC	150M	180M	96250	3"	15000Wp
27	6SSA-15200	15 HP AC	200M	230M	74250	2.5"	15000Wp
28	6SSA-15250	15 HP AC	250M	280M	60750	2"	15000Wp
29	6SSA-15300	15 HP AC	300M	320M	50250	1.5"	15000Wp
30	6SSA-15350	15 HP AC	350M	380M	45890	1.5"	15000Wp
31	6SSA-15400	15 HP AC	400M	430M	38640	1.5"	15000Wp
32	6SSA-1730	17.5 HP AC	30M	50M	598500	4"	15000Wp
33	6SSA-1750	17.5 HP AC	50M	70M	362250	3"	15000Wp
34	6SSA-1770	17.5 HP AC	70M	100M	236250	3"	15000Wp
35	6SSA-17100	17.5 HP AC	100M	120M	165375	3"	15000Wp
36	6SSA-17150	17.5 HP AC	150M	180M	118125	3"	15000Wp
37	6SSA-17200	17.5 HP AC	200M	230M	86625	2.5"	15000Wp
38	6SSA-17250	17.5 HP AC	250M	280M	70875	2.5"	15000Wp
39	6SSA-17300	17.5 HP AC	300M	320M	60890	2"	15000Wp
40	6SSA-17350	17.5 HP AC	350M	380M	50980	1.5"	15000Wp
41	6SSA-17400	17.5 HP AC	400M	430M	45650	1.5"	15000Wp
42	6SSA-2030	20 HP AC	30 M	50M	684000	4"	20000Wp
43	6SSA-2050	20 HP AC	50M	70M	414000	3"	20000Wp
44	6SSA-2070	20 HP AC	70M	100M	270000	3"	20000Wp
45	6SSA-20100	20 HP AC	100M	120M	189000	3"	20000Wp
46	6SSA-20150	20 HP AC	150M	180M	135000	3"	20000Wp
47	6SSA-20200	20 HP AC	200M	230M	99000	3"	20000Wp
48	6SSA-20250	20 HP AC	250M	280M	81000	2.5"	20000Wp
49	6SSA-20300	20 HP AC	300M	320M	72000	2.5"	20000Wp
50	6SSA-20350	20 HP AC	350M	380M	62000	2"	20000Wp
51	6SSA-20400	20 HP AC	400M	430M	55000	1.5"	20000Wp

Material Description

Sr. No	Parts Name	Material
1	Motor Base, Upper Housing & Lower Housing	Stainless Steel
2	Pump N.R.V & Pump Suction	Stainless Steel
3	Bowl & Impeller	SS304

Self Priming Monoblock BLDC/PMSM Pumpset



Description

Balson Polyplast Pvt. has specially designed Self Priming Monoblock BLDC/PMSM Series for domestic application

- Air cool Self Priming BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

SR. No.	HP	Model	Head (in MTR)	Shut Off Head	Discharge /LPM	Phase	Require Power
1	0.25 HP DC	SP-025	30M	43M	32	3	450Wp



Description

Balson Polyplast Pvt. has specially designed Self Priming Monoblock BLDC/PMSM Series for domestic application

- Air cool Self Priming BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

SR. No.	HP	Model	Head (in MTR)	Shut Off Head	Discharge /LPM	Phase	Require Power
1	0.5 HP DC	SP-050	15M	25M	30	3	600 Wp
2	1 HP DC	SP-100	20M	35M	40	3	1000 Wp

Technical Specification

- 9 slot 6 pole Patented design
- Water Filled BLDC/PMSM Motor
- HP Range upto 1.0 HP
- 150 Hz operation
- Higher 3150 RPM

AC Solar Openwell



Description

Balson Polyplast Pvt. has specially designed AC Solar Openwell Series for Open Irrigation Applications . Suitable for Well, Lake, River or Sump.

- Water filled AC Solar motor for better performance and easy repairable on remote areas.
- CED coated & SS 202 casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- Maintenance Coast is less then Borewell Pump set.

Technical Specification

- Water Filled AC Motor
- Higher 2880 RPM
- HP Range 3.0 to 10 HP
- 50 Hz operation
- Flow Range upto 700 LPM

SR. No.	HP	Model	Head (in MTR)	Flow Rate in LPD	Pump Suction Inch	Pump Delivery inch	Require Power
1	3.0	OW320	20	134400	2.5"	2.5"	3000Wp
2	5.0	OW520	20	210000	2.5"	2.5"	5000Wp
3	7.5	OW7520	20	337500	3.0"	3.0"	7000Wp
4	7.5	OW7530	30	266700	3.0"	3.0"	7000Wp
5	10.0	OW1020	20	420000	3.0"	3.0"	9900Wp
6	10.0	OW1030	30	294000	3.0"	3.0"	9900Wp

Surface Monoblock DC BLDC/PMSM Pumpset

Description

Balson Polyplast Pvt. has specially designed Surface Monoblock BLDC/PMSM Series for Open Irrigation Applications.

Suitable for Lake, Sump or canal.

- Air cool Surface BLDC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

Technical Specification

- 4 slot & 6 pole Unique design
- Water Filled BLDC/PMSM Motor
- Higher 3150 RPM
- HP Range 0.5 to 2.0 HP
- 100/150 Hz operation DC Range



SR. No.	HP	Model	Head in MTR	Shut Off Head	Discharge /LPM	Suction	Delivery	Flow	Require Power
1	0.5 HP DC	MBD-0510	10 M	12M	155	1.5	1.5	42000	600 Wp
2	1 HP DC	MBD-110	10 M	12M	250	1.5	1.5	99000	1000 Wp
3	2 HP DC	MBD-210	10 M	12M	400	2	2	198000	2000 Wp
4	2 HP DC	MBD-220	20 M	25M	400	2	1.5	99000	2000 Wp
5	3 HP DC	MBD-310	10 M	12 M	155	3	3	297000	3000 Wp
6	3 HP DC	MBD-320	20 M	25 M	155	2.5	2	148500	3000 Wp
7	5 HP DC	MBD-510	10 M	12M	250	4	4	528000	4800 Wp
8	5 HP DC	MBD-520	20 M	25M	250	3	2.5	264000	4800 Wp
9	7.5 HP DC	MBD-710	10 M	12M	400	4	4	742500	7000 Wp
10	7.5 HP DC	MBD-720	20 M	25M	400	3	3	371250	7000 Wp
11	10 HP DC	MBD-1010	10 M	12M	400	4	4	990000	9000 Wp
12	10 HP DC	MBD-1020	20 M	25M	400	3	3	495000	9000 Wp

Surface Monoblock AC Induction Pumpset

Description

Balson Polyplast Pvt. has specially designed Surface Monoblock Induction Series for Open Irrigation Applications.

Suitable for Lake, Sump or canal.

- Air cool Surface AC Monoblock for higher performance with zero maintenance.
- CED coated casting static parts in motor and pump for anti-corrosion.
- CED coated Casing and impellers for Higher Discharge, Smooth Operation & Long life span.
- High grade aluminum alloy board.

Technical Specification

- Air Cooled Motor
- Higher 3150 RPM
- HP Range 1 to 10 HP
- 50 Hz operation DC Range



SR. No.	HP	Model	Head in MTR	Shut Off Head	Discharge /LPM	Suction	Delivery	Flow	Require Power
1	0.5 HP AC	MBA-0510	10 M	12M	155	1.5	1.5	38000	600 Wp
2	1 HP AC	MBA-110	10 M	12M	250	1.5	1.5	89100	1000 Wp
3	2 HP AC	MBA-210	10 M	12M	400	2	2	178200	2000 Wp
4	2 HP AC	MBA-220	20 M	25M	400	2	1.5	90000	2000 Wp
5	3 HP AC	MBA-310	10 M	12 M	155	3	3	267300	3000 Wp
6	3 HP AC	MBA-320	20 M	25 M	155	2.5	2	132300	3000 Wp
7	5 HP AC	MBA-510	10 M	12M	250	4	4	475200	4800 Wp
8	5 HP AC	MBA-520	20 M	25M	250	3	2.5	235200	4800 Wp
9	7.5 HP AC	MBA-710	10 M	12M	400	4	4	668250	7000 Wp
10	7.5 HP AC	MBA-720	20 M	25M	400	3	3	330750	7000 Wp
11	10 HP AC	MBA-1010	10 M	12M	400	4	4	891000	9000 Wp
12	10 HP AC	MBA-1020	20 M	25M	400	3	3	441000	9000 Wp

Solar Pump Controller AC-BLDC/PMSM



0.5 HP & 1.0 HP

- Suitable for 0.5 HP & 1.0 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model



2.0 HP, 3.0 HP & 5.0 HP

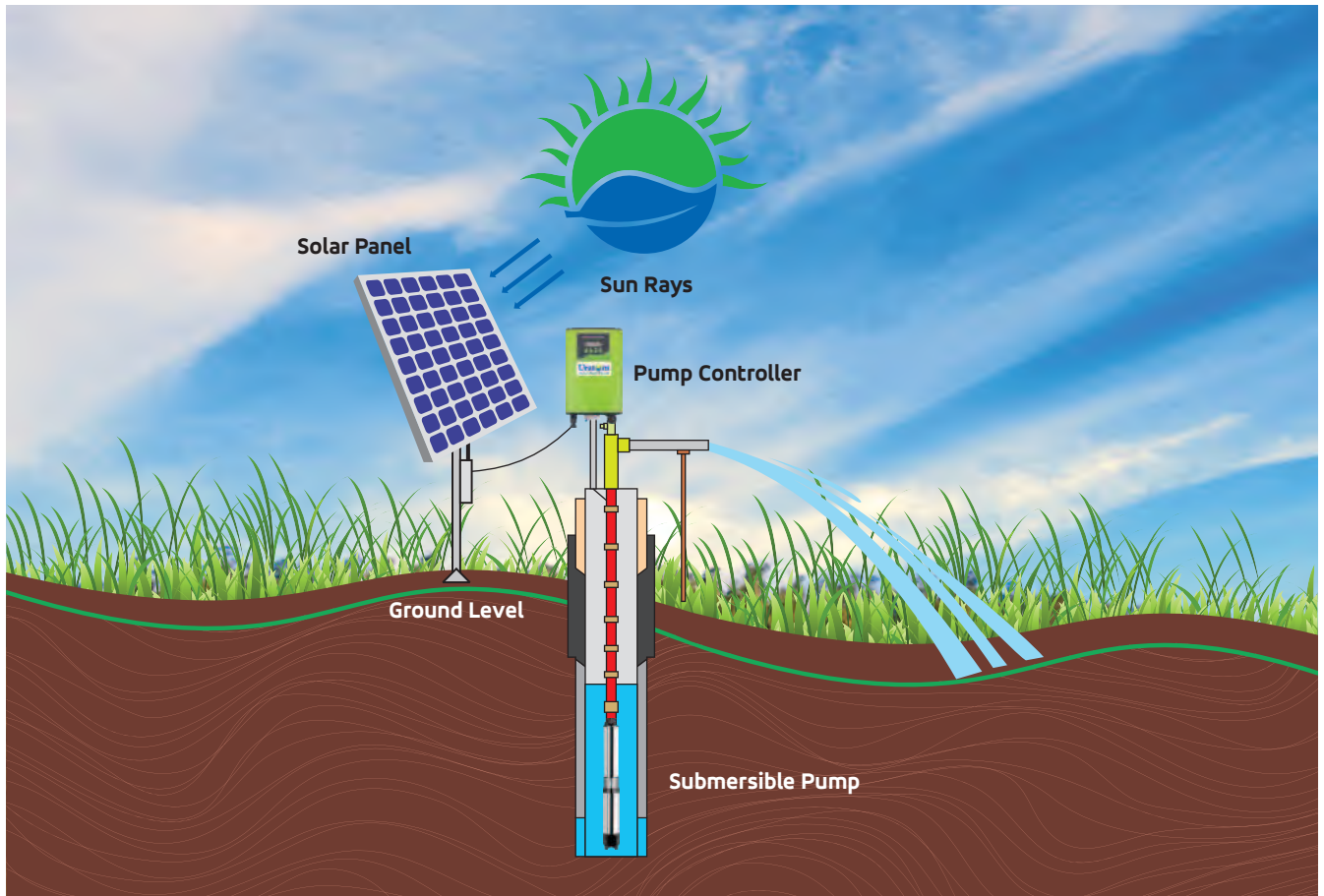
- Suitable for 2.0 HP & 3.0 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for AC, BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model
- RMS with 4G Technology
- Compatible with New 535 Monoperk Panel



7.5 HP & 10 HP

- Suitable for 5.0 HP, 7.5 HP & 10 HP BLDC/PMSM motor
- It can work with any pole of motor
- Suitable for AC, BLDC & PMSM motor
- Suitable for polycrystalline and monoperk solar panel
- Also available in AC & DC hybrid model

SR. No.	HP	Display Type	Max Input Power
1	0.25	LED DC Only	200V 1200w
2	0.5	LED DC Only	200V 1200w
3	1.0	LED DC Only	200V 1200w
4	2.0	Display	450V 3000w
5	3.0	Display	450V 3000w
6	5.0	Display	750V 5000w
7	7.5	Display	750V 10000w
8	10.0	Display	751V 10000w
9	12.5	Display	750V 12000W
10	15.0	Display	750V 15000w
11	20.0	Display	750V 20000w



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