

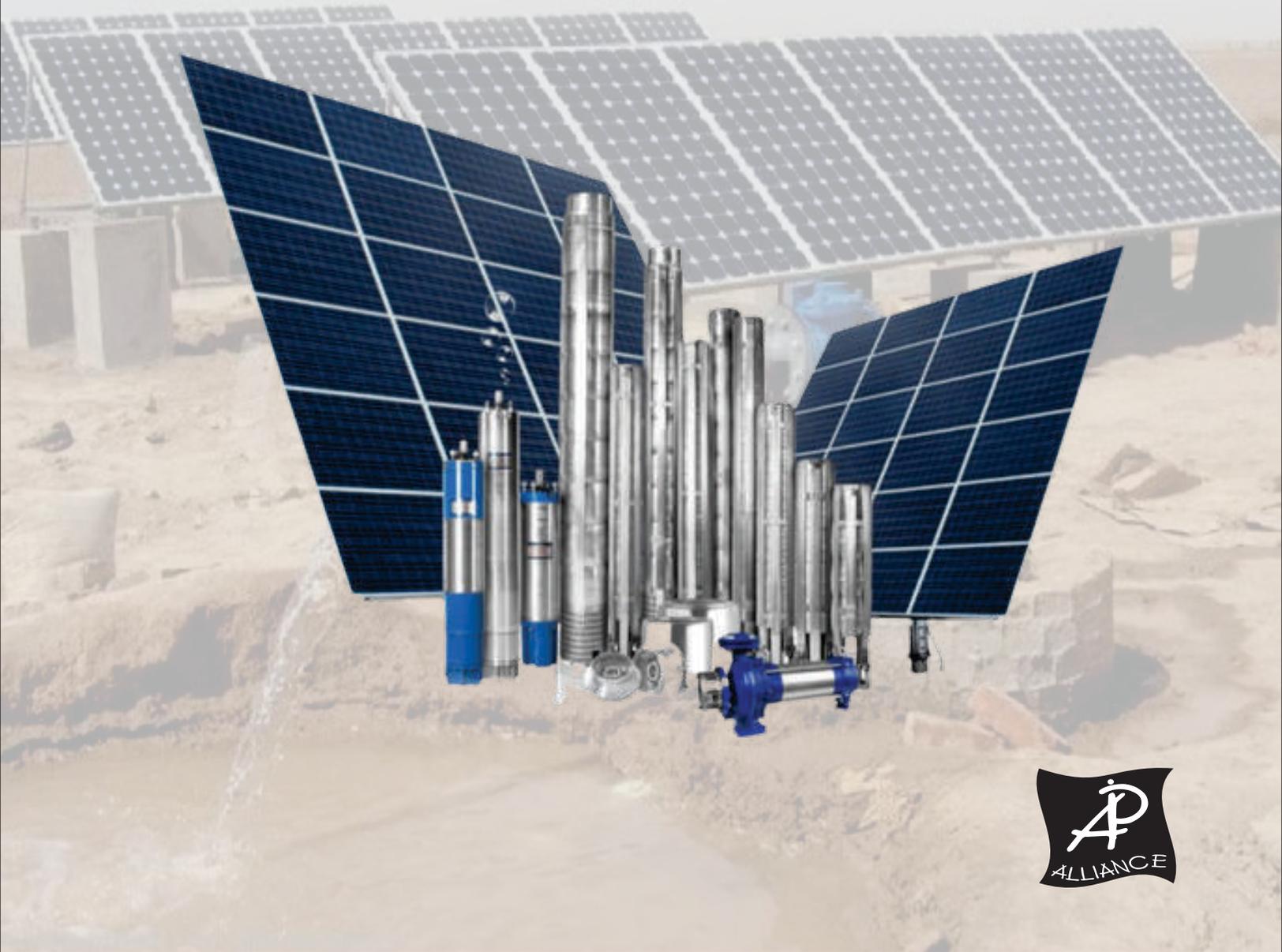
# **ALLIANCE**<sup>®</sup> SOLAR

INDIA PUMPS

**Make in India**

**MNRE**  
*Approved*

**An ISO 9001 : 2015 Company**



**M. PRAKASH ALLIANCE PUMPS**  
**NOIDA, U.P.**

**SOLAR PRODUCT WITH BEST QUALITY**  
**As Per NIMA Standard**

## ALLIANCE HIGHLY EFFICIENT BL/DC MOTORS :

SUBMERSIBLE MOTOR DETAILS				
MOTOR TYPE	COOLING TYPE	MOTOR RATING	VOLTAGE RATING	THRUST CAPACITY IN KN
DC - V4	O/F	1HP	65	8.2
DC - V4	W/F	1HP	72	
DC - V4		2HP	135	
DC - V4		3HP	220	
DC - V4		5HP	350	
AC - V4	W/F	2HP	130	15
		3HP	205	
		5HP	340	
AC - V6	W/F	5HP	340	
		7.5HP	300	
		10HP	340	
		15HP	380	
DC - V6	W/F	7.5HP	300	
		10HP	300	
		15HP	380	



## ALLIANCE SOLAR SUBMERSIBLE PUMPING SYSTEM

*****	CONSTRUCTION TYPE
COMPONENT	STANDARD WATER WELL
Casting	304 SS Over Iron
Stator Shell	304 SS
Shaft Extension	304 SS
Fasteners	304 SS or 302 SS
Seal Cover	304 SS
Seal	Nitrile Rubber Lip
Diaphragm	NBR
slinger	NBR
Lead Wire (or Cable)	XLPE
Lead Potting	Epoxy
Lead Jam Nut	304 SS



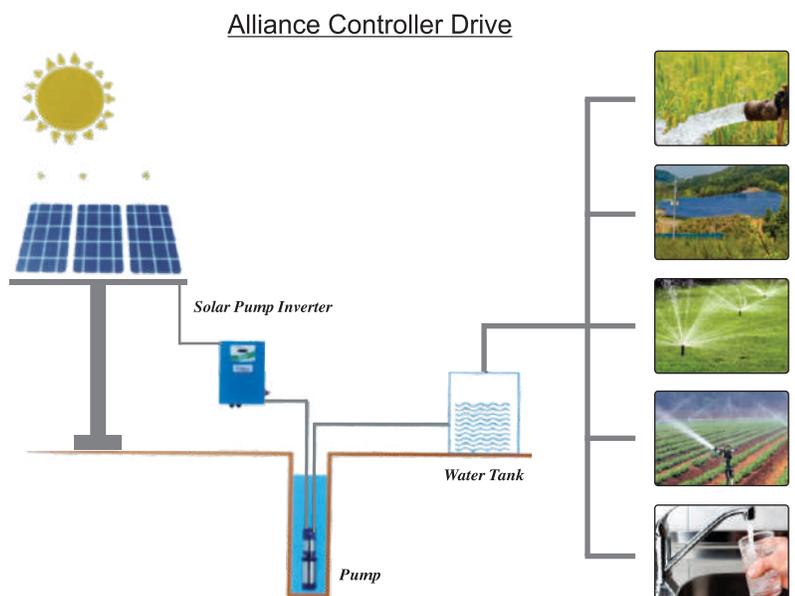
## ALLIANCE SUBMERSIBLE SOLAR PUMP FAMILY

SOLAR SUBMERSIBLE DC SOLAR PUMP FAMILY				
S. No.	MODEL NUMBER	HEAD IN 'M'	POWER IN HP	DISCHARGE IN "LPD"
1	1 S DC S 30	30	1	45500
2	2 S DC S 30	30	2	68300
3	3 S DC S 30	30	3	114050
4	1 S DC S 50	50	3	68500
5	1 S DC S 70	70	3	45500
6	5 S DC S 50	50	5	110450
7	5 S DC S 70	70	5	72500
8	5 S DC S 100	100	5	50500
9	7.5 S DC S 50	50	7.5	155300
10	7.5 S DC S 70	70	7.5	101300
11	7.5 S DC S 100	100	7.5	70925
12	10 S DC S 50	50	10	207050
13	10 S DC S 70	70	10	135050
14	10 S DC S 100	100	10	94600

SOLAR SUBMERSIBLE AC SOLAR PUMP FAMILY				
S. No.	MODEL NUMBER	HEAD IN 'M'	POWER IN HP	DISCHARGE IN "LPD"
1	1 S AC S 30	30	1	42050
2	2 S AC S 30	30	2	63100
3	3.5 S AC S 30	30	3	105050
4	3.5 S AC S 50	50	3	63100
5	3.5 S AC S 70	70	3	42150
6	5.5 S AC S 50	50	5	100700
7	5 S AC S 70	70	5	67200
8	5.5 S AC S 100	100	5	43300
9	7.5 S AC S 50	50	7.5	141800
10	7.5 S AC S 70	70	7.5	94550
11	7.5 S DC S 100	100	7.5	60800
12	10 S DC S 50	50	10	189050
13	10 S DC S 70	70	10	125900
14	10 S DC S 100	100	10	81175

### CONTROLLER DRIVE

- New Design, Smart, Intelligent Controller Drive.
- Intelligent control provides dry run protection, if there is no water in sump for 1 minute. solar pump will stop working automatically in addition, it has intelligent overload protection when the abnormal situation appeared during the work, the pump automatically shut down.
- MPPT function that is maximum soar power point tracking will adjust work speed automatically. So motor can extract maximum power from panels and provides maximum water output according to solar radiation.
- It also offers automatic ON OFF.
- It offers Protection from high-voltage, low-voltage, single phasing, over current and overload.
- Remote monitoring System : RMS mil keep record of operational data and provides access to it remotely through mobile phone or computer, for maintenance support.



## **FEATURES OF BLDC/PMSM MOTORS**

- Site Analysis & Technical Feasibility Study
- Project Investment. Payback & IRR Analysis
- Techno-Commercial Proposal
- Project Planning, Controlling & Management
- Engineering. Procurement & Construction
- Technical & Document Support for Approval & Permission from Government
- Service, Operation & Maintenance

## **OUR COMMITMENT**

- Quality Product & Solutions
- Timely Delivery
- Cost Effectiveness
- Total Customer Satisfaction
- Applications

## **APPLICATIONS**

- Residential
- Domestic
- Industrial
- Commercial
- Manufacturing Unit
- Education Institute
- Trust / NGO / Hospitals / Clinics Etc.
- Benefits of Grid connected Solar Power Plant

## **BENEFITS OF GRID CONNECTED SOLAR POWER PLANT**

- Up to 50% saving in Electricity bill
- Accelerated Depreciation Benefits
- Net Metering facility as per State Solar Policy
- 25 Years Long Lasting Life
- 4 to 5 year's Project Payback
- Hedge against inflation in Elec. Tariff
- Cheaper than Current Electricity Rate
- Step towards Green World
- Reduce Carbon Emission

# CONTROLLER

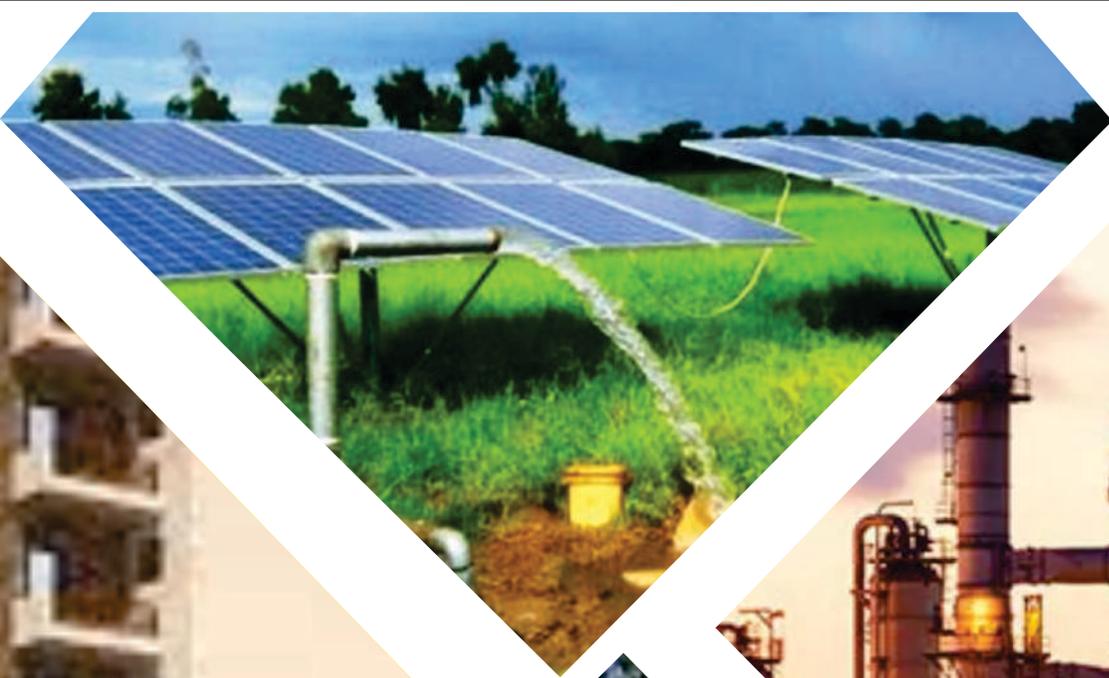
- Alliance Controllers have feature and a protection :
- Inbuilt MPPT tracking
- Sensor less Dry run protection
- Tank overflow protection
- Over current fault protection
- IP 65 certified enclosures
- Remote monitoring system
- Short circuit protection



# Monoblock Pump I



S. No.	K.W	H.P	MTR	DISCHARGE IN LPD	MOTOR WATTS
1	0.75	1	10	99000	900
2	1.5	2	10	198000	1800
3	2.25	3	10	297000	2700
4	2.25	3	20	148000	2700
5	3.75	5	10	528000	4800
6	3.75	5	20	2264000	4800
7	3.75	5	30	182000	4800
8	5.625	7.5	10	742500	6750
9	5.625	7.5	20	371250	6750
10	5.625	7.5	30	256500	6750
11	7.5	10	10	990000	9000
12	7.5	10	20	495000	9000
13	7.5	10	30	342000	9000

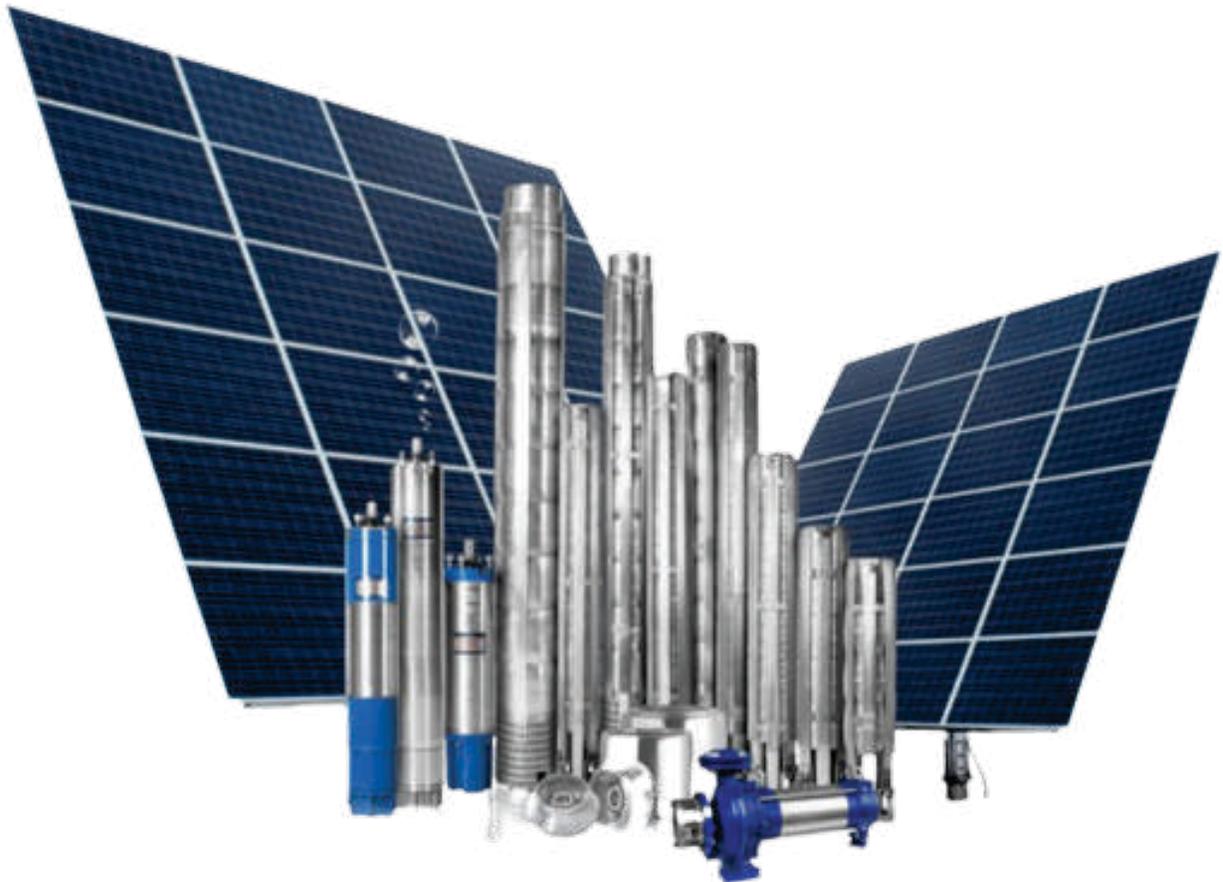


**Our Pump set uses for various purpose at Agriculture, Highrise Buildings, Forest, Deserts and Industries**

# ALLIANCE<sup>®</sup> SOLAR

INDIA PUMPS

## Water Pump



Follow up



### M. PRAKASH ALLIANCE PUMPS

Office : C-242, Sector-10, NOIDA, U.P.  
Alliance House : Z-168, Sector-12, Noida

alliancepumps@gmail.com  
Customer Care : 9818883850