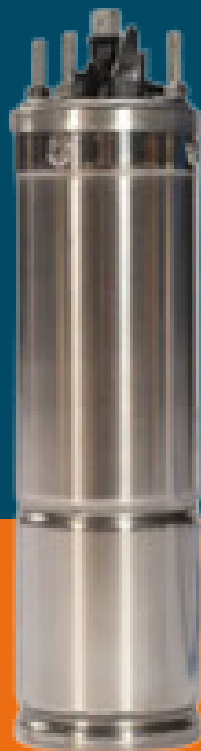
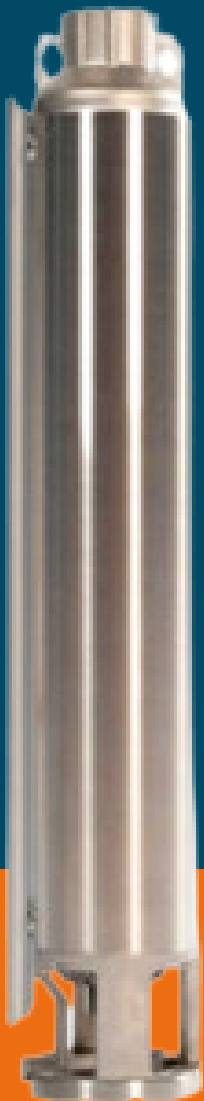




Product Catalogue



LOW VOLTAGE SOLAR DC BOREHOLE PUMP KIT



4" SOLAR DC BOREHOLE MOTOR,
4" PUMP WET END +
MPPT SOLAR PUMP INVERTER

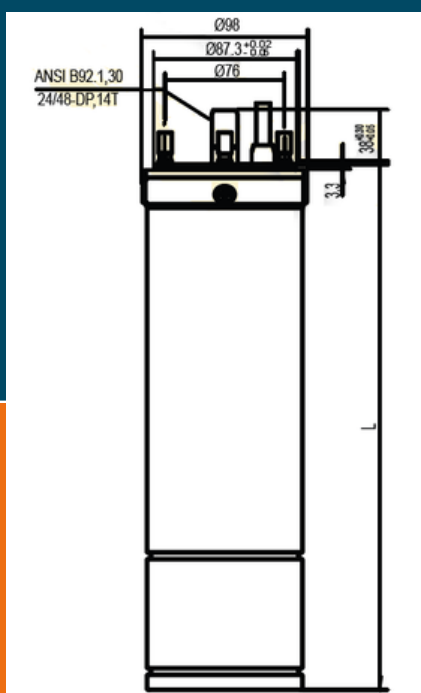
Low Voltage DC Brush-less Motor

THE 4DC LOW VOLTAGE BRUSH-LESS MOTOR IS ENGINEERED FOR EFFICIENCY. THIS MOTOR REQUIRES LESS VOLTAGE INPUT TO OPERATE AT FULL LOAD CAPACITY THANKS TO EFFICIENT MPPT SOFTWARE AND THE LATEST DC BRUSH-LESS MOTOR TECHNOLOGY.

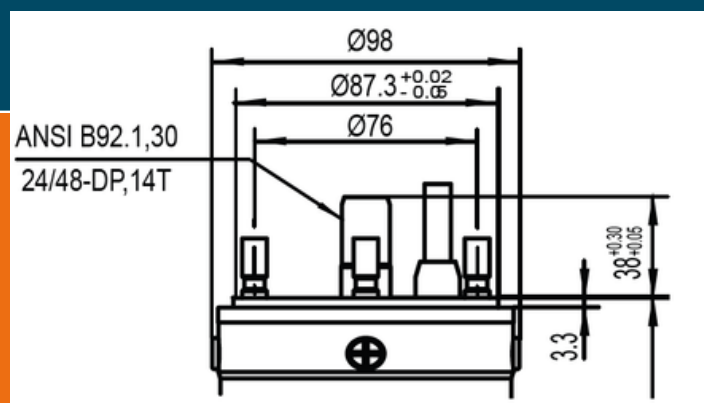
TECHNICAL DATA

- Power Rating - 0.55kW - 1.1 kW
- Voltage - 48V - 110V
- Max Submersion Depth - 70m
- Operating Speed - 500 - 4000 rpm
- Isolation - Class B
- Material of Construction - 304 Stainless Steel
- Flange Connection - Nema Standard
- Max control box ambient temperature - 35°C

	4DC48/0.55kW	4DC72/0.75kW	4DC110/1.1kW
Voltage	48V	72V	110V
Max Voltage VOC	96V	144V	200V
Max Amps	17A	17A	17A
Weight	5.6kg	5.6kg	5.6kg

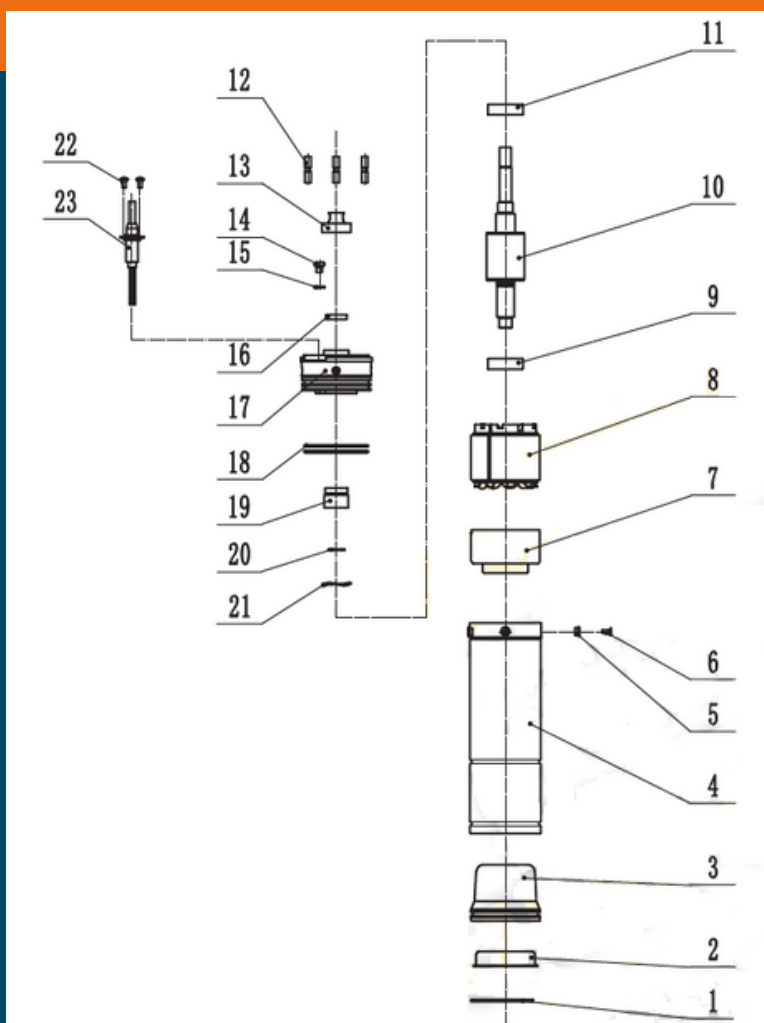


Model	L : Dimension (mm)
4DC48/0.55kW	255
4DC72/0.75kW	255
4DC110/1.1kW	255



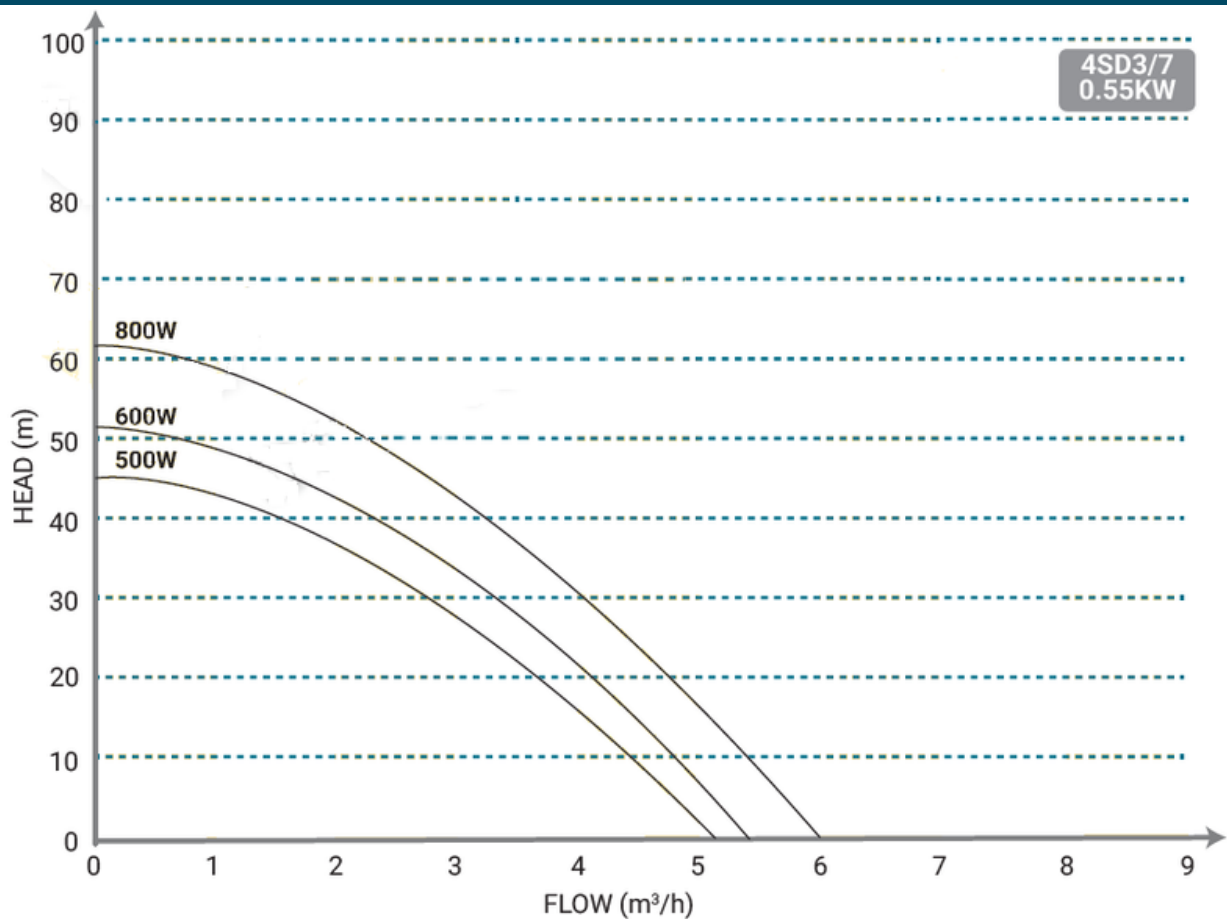
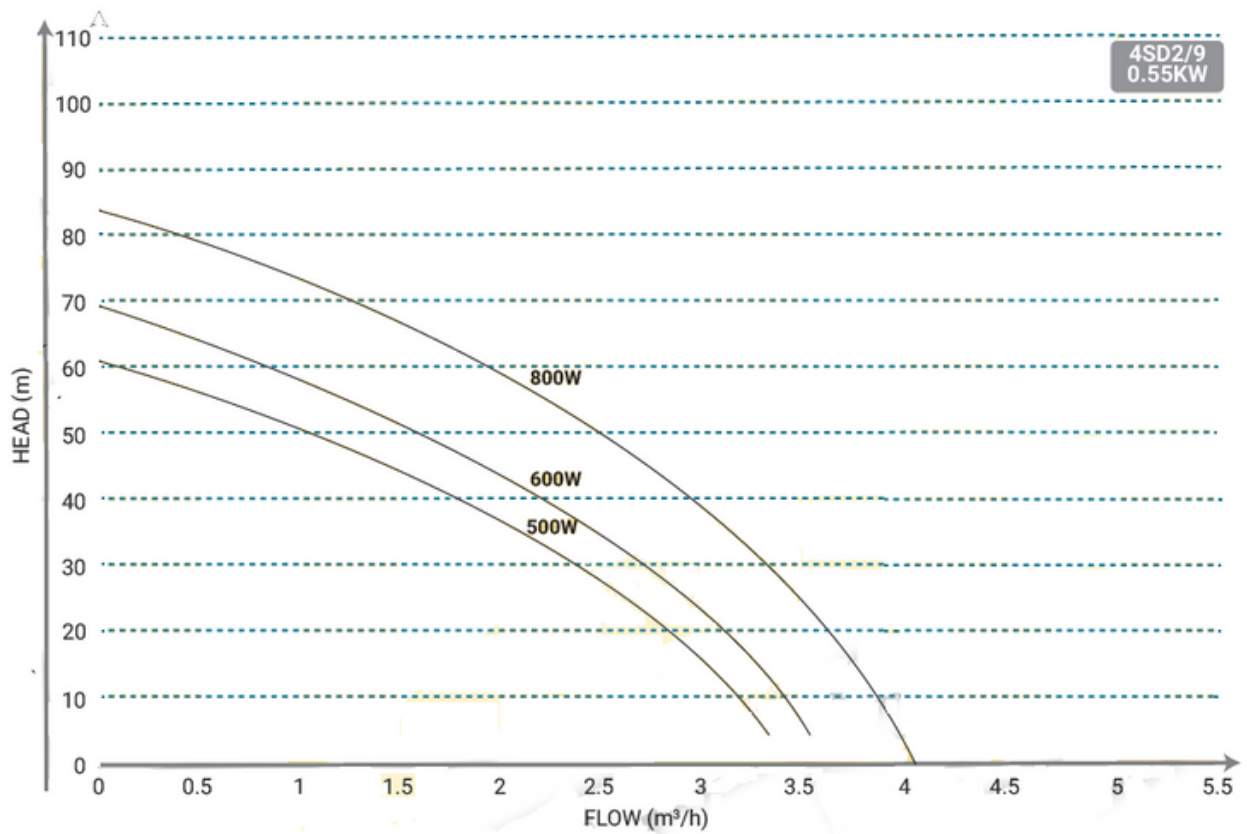
Low Voltage DC Brush-less Motor

EXPLODED VIEW

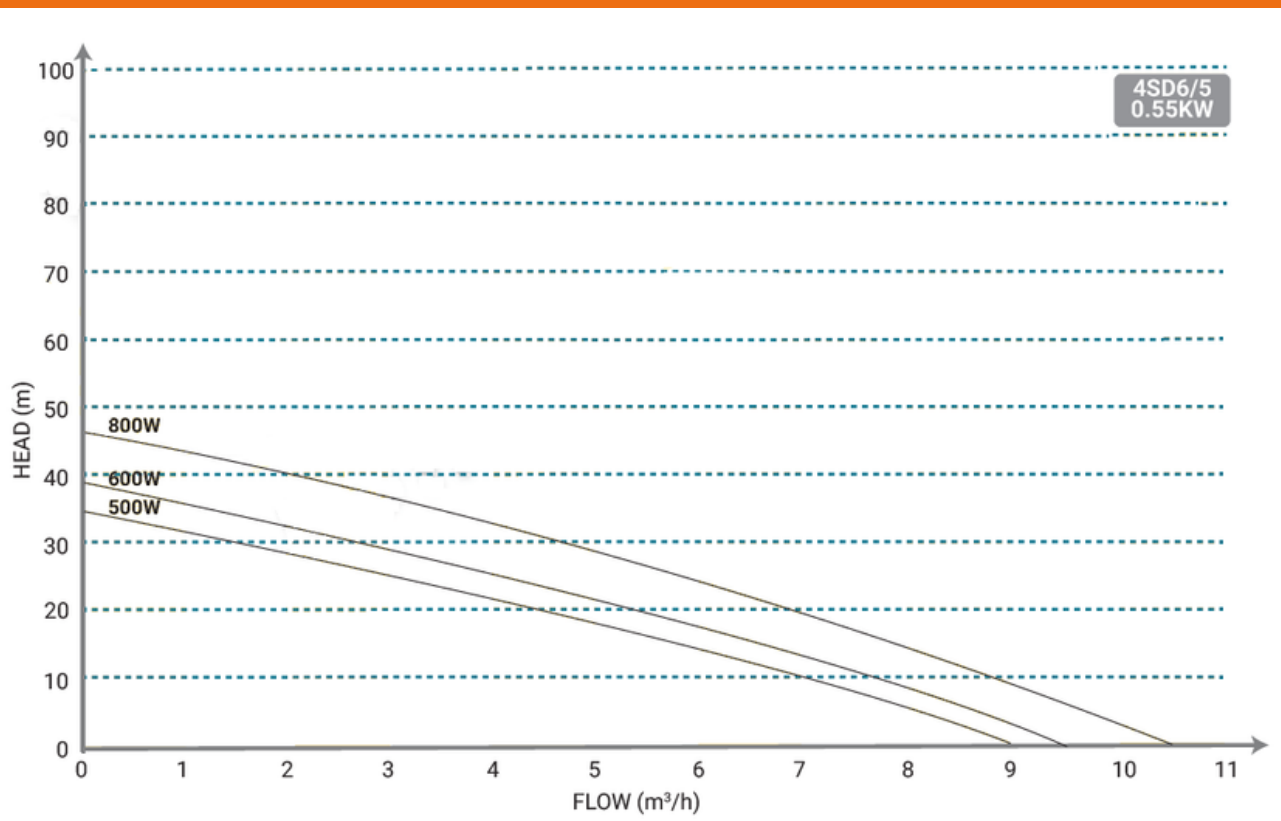
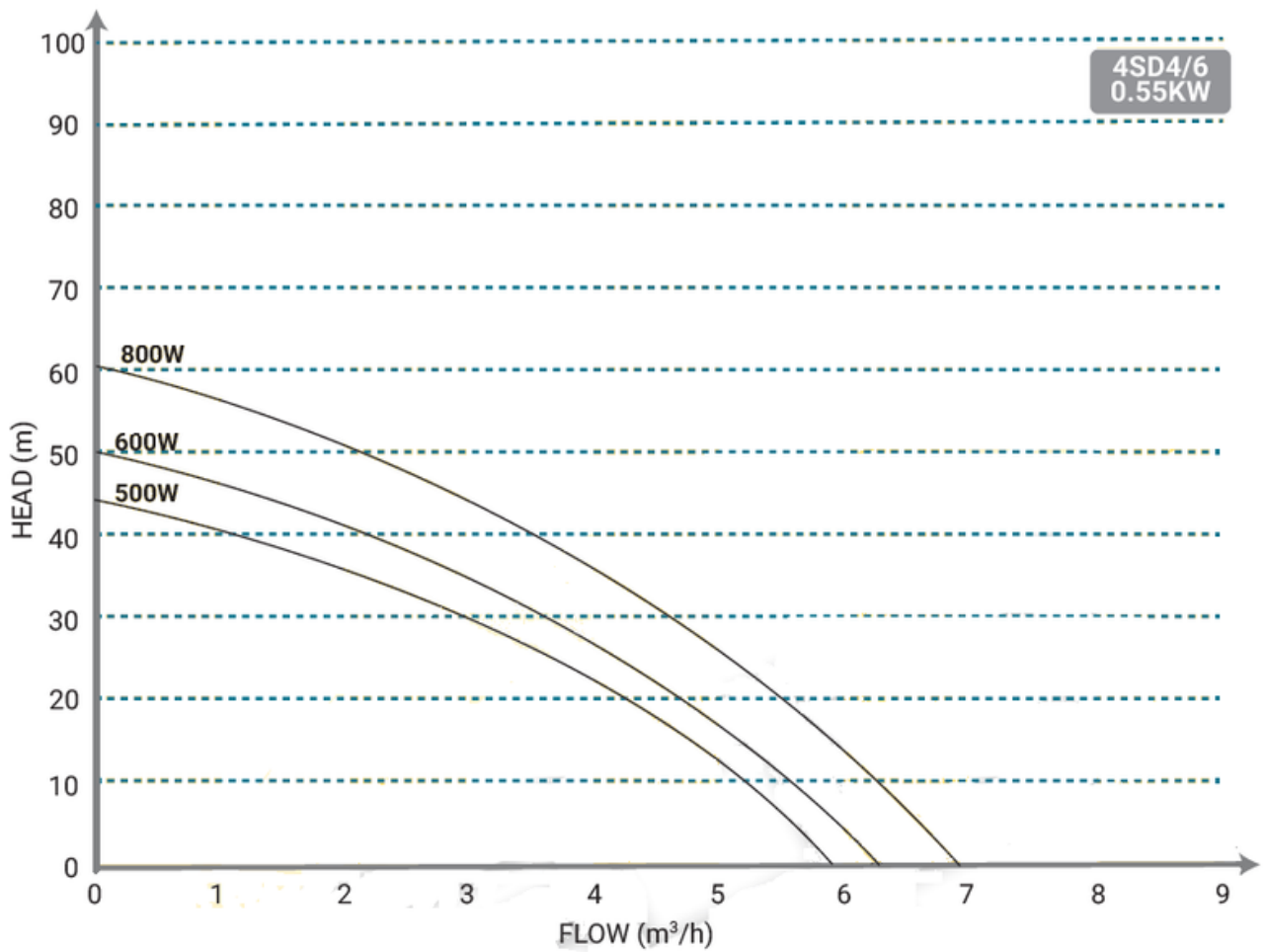


No	Description	QTY
1	Retaining Ring	1
2	Baseplate	1
3	Diaphragm	1
4	Casing	1
5	Gasket	4
6	Screw	4
7	Bearing Seat	1
8	Stator	1
9	Bearing	1
10	Rotor	1
11	Bearing	1
12	Screw	4
13	Protection Cap	1
14	Screw	1
15	Rubber Washer	1
16	Frame Seal	1
17	Oil Cylinder	1
18	O Ring	2
19	Mechanical Seal	1
20	Retaining Ring	1
21	Wave Spring	1
22	Screw	2
23	Cable Entry	1

Compatible Wet Ends



THE ABOVE 4SD PUMP CURVES INDICATES THE DIFFERENT PERFORMANCE OF EACH MODEL BASED ON THE DIFFERENT INPUT WATTAGE OPTIONS.



THE ABOVE 4SD PUMP CURVES INDICATES THE DIFFERENT PERFORMANCE OF EACH MODEL BASED ON THE DIFFERENT INPUT WATTAGE OPTIONS.



Low Voltage DC Brush-less Motor

OPERATION PANEL









DC ELECTRIC CABLE

PUMP CABLE

WATER LEVEL SENSOR

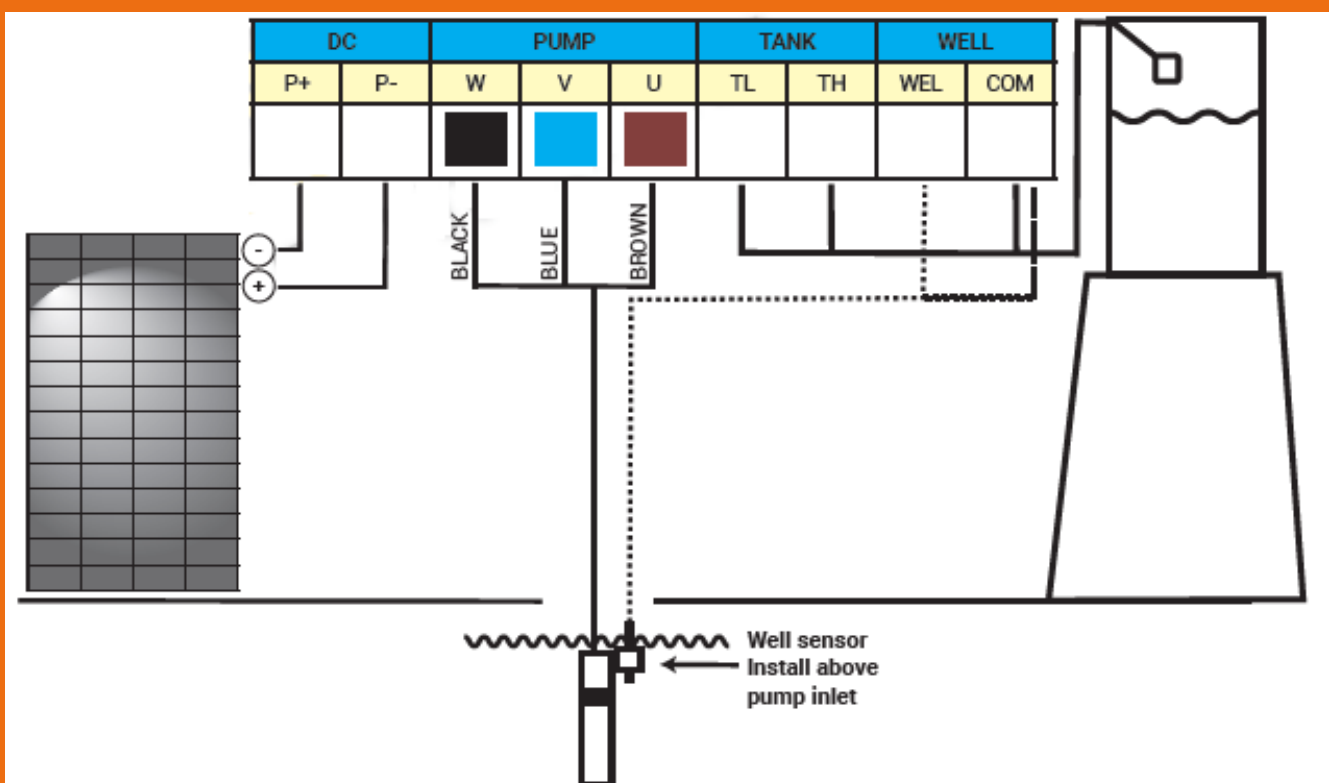


Key	Function
 set	Factory setting. Do not open.
 en fer	Factory setting. Do not open
 Up	RPM setting, to increase the RPM. In the Error State the key is used to turn the error display On or Off .
 Down	RPM setting, to decrease RPM
 Switch	In operation status this key is used to display the different values: Voltage Speed Current Power
 On/off	Power button - Switch unit On and Off manually.

CONTROL PARAMETERS

Model	Pump Voltage	Max Input Current (A)	VOC (V)	Operating Voltage Range	Operating Temperature
CN48	48V	17	96V	42 - 96	-15°C - 60°C

WIRING DIAGRAM





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