

SDC

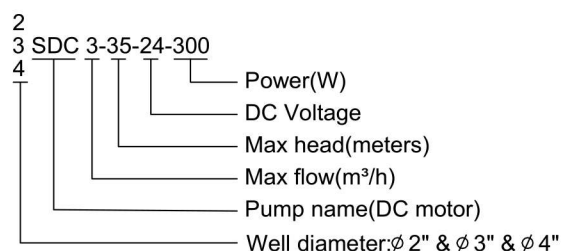
Brushless Solar Pump

ADVANTAGE FOR SOLAR WATER PUMP

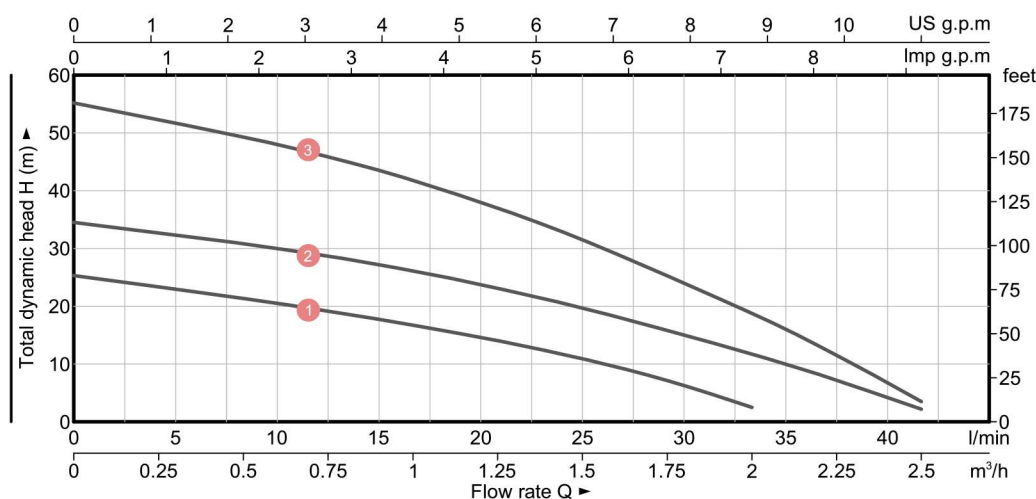
1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
2. Environmental protection, clean energy, can be powered by both solar panel and battery
3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
4. With MPPT function
5. Much longer life than the normal AC water pump.

APPLICATION FIELD

These water pumps are used in irrigation of agriculture, and also widely used for drinking water and living water use

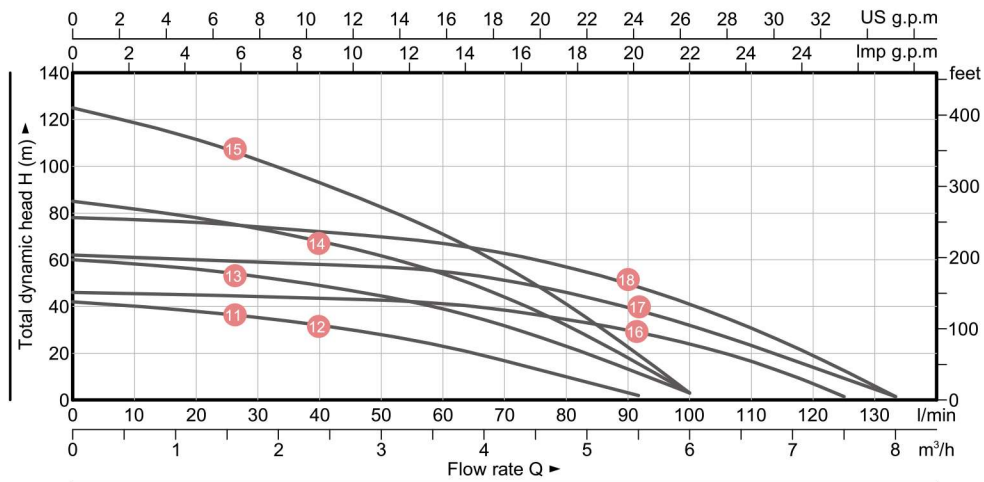
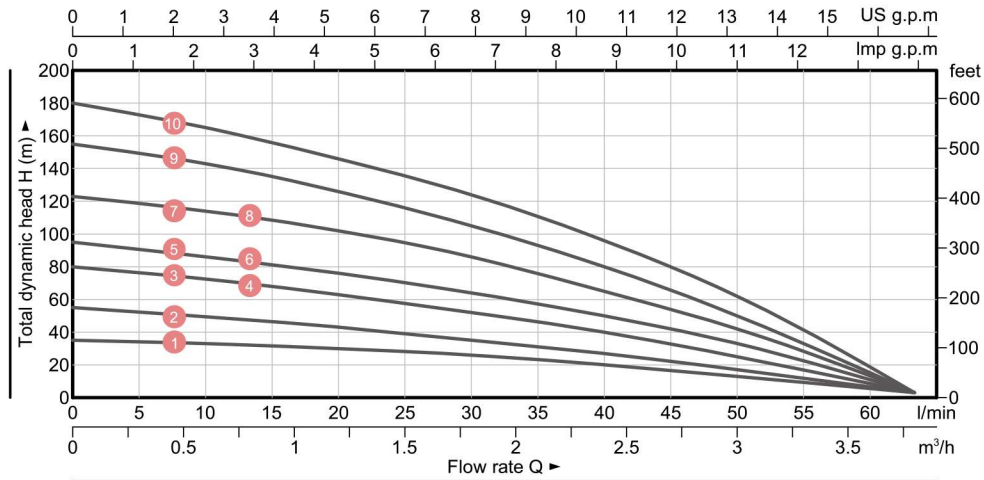


2SDC



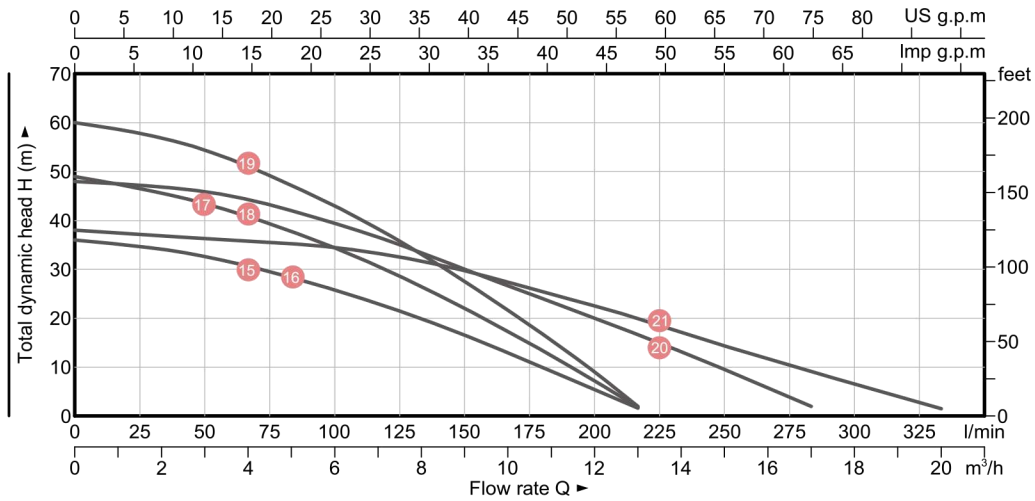
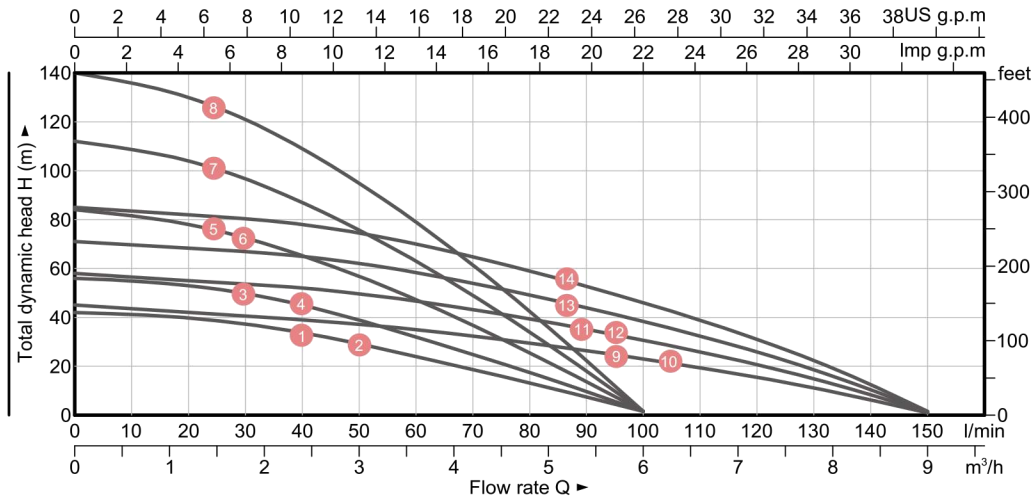
TECHNICAL DATA

MODEL	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
① 2SDC2-25-12-200	12V	20V-36V	200W	2.0m³/h	25m	0.5" /0.75"	1.5m	< 50V	≥300w
② 2SDC2.5-36-24-300	24V	30V-48V	300W	2.5m³/h	36m	0.5" /0.75"	1.5m	< 50V	≥500w
③ 2SDC2.5-55-48-400	48V	60V-90V	400W	2.5m³/h	55m	0.5" /0.75"	1.5m	< 100V	≥600w



TECHNICAL DATA

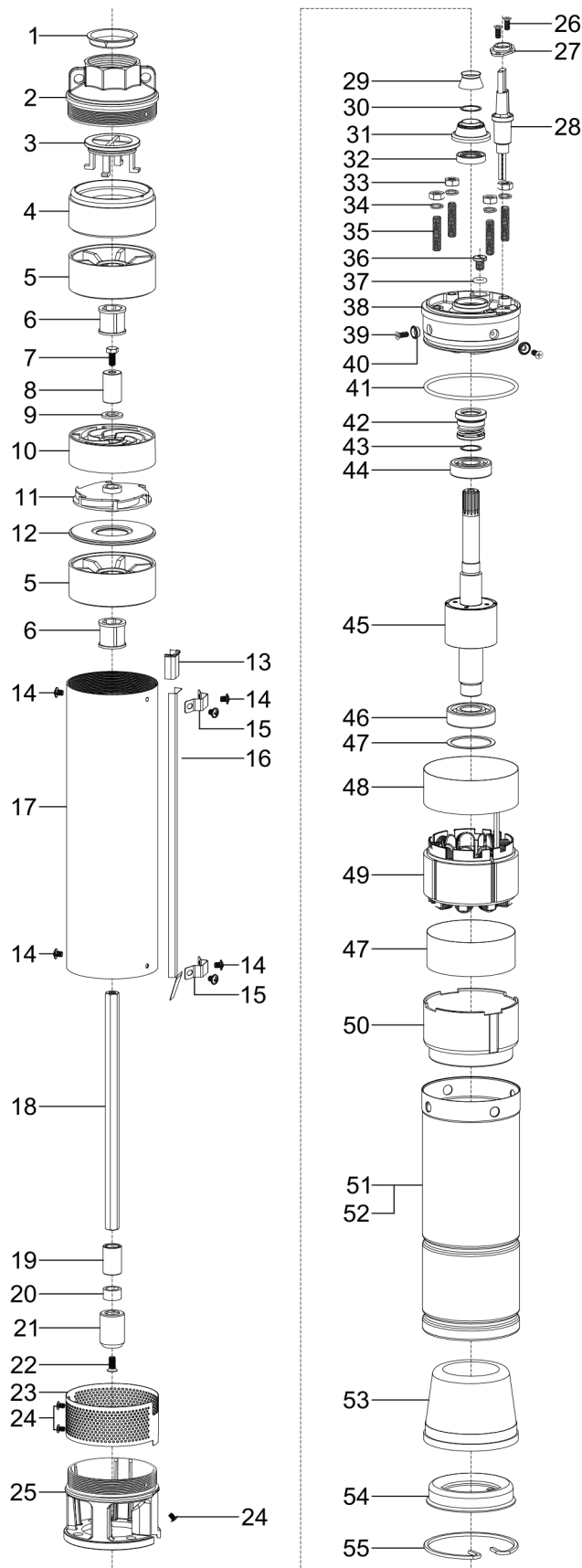
MODEL	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
1 3SDC3.8-35-24-300	24V	30V-48V	300W	3.8m³/h	35m	1" /1.25"	2m	<50V	≥500W
2 3SDC3.8-55-48-400	48V	60V-90V	400W	3.8m³/h	55m	1" /1.25"	2m	<100V	≥600W
3 3SDC3.8-80-48-600	48V	60V-90V	600W	3.8m³/h	80m	1" /1.25"	2m	<100V	≥750W
4 3SDC3.8-80-72-600	72V	90V-120V	600W	3.8m³/h	80m	1" /1.25"	2m	<150V	≥750W
5 3SDC3.8-95-48-750	48V	60V-90V	750W	3.8m³/h	95m	1" /1.25"	2m	<100V	≥1000W
6 3SDC3.8-95-72-750	72V	90V-120V	750W	3.8m³/h	95m	1" /1.25"	2m	<150V	≥1000W
7 3SDC3.8-123-72-1100	72V	90V-120V	1100W	3.8m³/h	123m	1" /1.25"	2m	<150V	≥1500W
8 3SDC3.8-123-110-1100	110V	110V-150V	1100W	3.8m³/h	123m	1" /1.25"	2m	<200V	≥1500W
9 3SDC3.8-155-110-1300	110V	110V-150V	1300W	3.8m³/h	155m	1" /1.25"	2m	<200V	≥1800W
10 3SDC3.8-180-110-1500	110V	110V-150V	1500W	3.8m³/h	180m	1" /1.25"	2m	<200V	≥2000W
11 3SDC5.5-42-48-600	48V	60V-90V	600W	5.5m³/h	42m	1" /1.25"	2m	<100V	≥750W
12 3SDC5.5-42-72-600	72V	90V-120V	600W	5.5m³/h	42m	1" /1.25"	2m	<150V	≥750W
13 3SDC6-60-72-750	72V	90V-120V	750W	6m³/h	60m	1" /1.25"	2m	<150V	≥1000W
14 3SDC6-85-110-1100	110V	110V-150V	1100W	6m³/h	85m	1" /1.25"	2m	<200V	≥1500W
15 3SDC6-125-110-1500	110V	110V-150V	1500W	6m³/h	125m	1" /1.25"	2m	<200V	≥2000W
16 3SDC7-46-72-750	72V	90V-120V	750W	7m³/h	46m	1.25" /1.5"	2m	<150V	≥1000W
17 3SDC8-62-110-1100	110V	110V-150V	1100W	8m³/h	62m	1.25" /1.5"	2m	<200V	≥1500W
18 3SDC8-78-110-1500	110V	110V-150V	1500W	8m³/h	78m	1.25" /1.5"	2m	<200V	≥2000W



TECHNICAL DATA

MODEL	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
1 4SDC6-42-48-600	48V	60V-90V	600W	6m³/h	42m	1.25" /1.5"	2m	<100V	≥750W
2 4SDC6-42-72-600	72V	90V-120V	600W	6m³/h	42m	1.25" /1.5"	2m	<150V	≥750W
3 4SDC6-56-48-750	48V	60V-90V	750W	6m³/h	56m	1.25" /1.5"	2m	<100V	≥1000W
4 4SDC6-56-72-750	72V	90V-120V	750W	6m³/h	56m	1.25" /1.5"	2m	<150V	≥1000W
5 4SDC6-84-72-1100	72V	90V-120V	1100W	6m³/h	84m	1.25" /1.5"	2m	<150V	≥1500W
6 4SDC6-84-110-1100	110V	110V-150V	1100W	6m³/h	84m	1.25" /1.5"	2m	<200V	≥1500W
7 4SDC6-112-110-1300	110V	110V-150V	1300W	6m³/h	112m	1.25" /1.5"	2m	<200V	≥1800W
8 4SDC6-140-110-1500	110V	110V-150V	1500W	6m³/h	140m	1.25" /1.5"	2m	<200V	≥2000W
9 4SDC9-45-72-750	72V	90V-120V	750W	9m³/h	45m	1.5" /2"	2m	<150V	≥1000W
10 4SDC9-45-110-750	110V	110V-150V	750W	9m³/h	45m	1.5" /2"	2m	<200V	≥1000W
11 4SDC9-58-72-1100	72V	90V-120V	1100W	9m³/h	58m	1.5" /2"	2m	<150V	≥1500W
12 4SDC9-58-110-1100	110V	110V-150V	1100W	9m³/h	58m	1.5" /2"	2m	<200V	≥1500W
13 4SDC9-71-110-1300	110V	110V-150V	1300W	9m³/h	71m	1.5" /2"	2m	<200V	≥1800W
14 4SDC9-85-110-1500	110V	110V-150V	1500W	9m³/h	85m	1.5" /2"	2m	<200V	≥2000W
15 4SDC13-36-72-750	72V	90V-120V	750W	13m³/h	36m	2"	2m	<150V	≥1000W
16 4SDC13-36-110-750	110V	110V-150V	750W	13m³/h	36m	2"	2m	<200V	≥1000W
17 4SDC13-49-72-1100	72V	90V-120V	1100W	13m³/h	49m	2"	2m	<150V	≥1500W
18 4SDC13-49-110-1100	110V	110V-150V	1100W	13m³/h	49m	2"	2m	<200V	≥1500W
19 4SDC13-60-110-1500	110V	110V-150V	1500W	13m³/h	60m	2"	2m	<200V	≥2000W
20 4SDC17-48-110-1500	110V	110V-150V	1500W	17m³/h	48m	2"	2m	<200V	≥2000W
21 4SDC20-38-110-1500	110V	110V-150V	1500W	20m³/h	38m	2"	2m	<200V	≥2000W

SDC Breakdown Diagram



1	Pump cover
2	Outlet
3	Check valve core
4	Check valve seat
5	Intermediate support
6	Rubber bearing
7	Screw
8	Upper bearing bush
9	Sealing gasket
10	Diffuser
11	Impeller
12	Diffuser cover
13	Cable shield
14	Screw
15	Holder pipe
16	Cable cover
17	Pump pipe
18	Shaft
19	Down bushing
20	Plastic sleeve
21	Coupling
22	screw
23	Strainer
24	Screw
25	Suction support
26	Screw
27	Cable clamp
28	Cable
29	Sand proof sleeve
30	gasket
31	Sand proof cap
32	Skeleton oil seal
33	Nut
34	Spring washer
35	Bolt
36	Grease screw
37	"O"Ring
38	Bearing seat
39	Screw
40	Gasket
41	"O"Ring
42	Mechanical seal
43	Mechanical seal gasket
44	Bearing
45	Rotor
46	Bearing
47	Bearing shim
48	Bushing
49	Stator
50	Bearing seat
51	Motor pipe
52	Oil
53	Rubber cup
54	End cover
55	Clamping spring