

## 3 Inch DC Solar Deep Well Pump(Impeller Type)

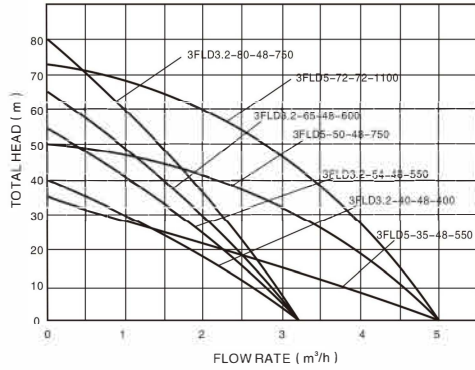
### Material of Parts

Pump head: Copper/ SS304  
 Pump body: SS201 (SS304 is available)  
 Impeller: SS304  
 Bearing: NSK brand  
 Cable: 3m  
 Oil cooling  
 Motor: permanent magnetic synchronous

### Advantage of solar water pump:

1. High efficiency because of PMSM
2. MPPT function
3. Intelligent water shortage protection
4. Longer life than normal AC water pump
5. Over-load protection, under-load protection, lock-rotor protection, thermal protection.

### Curve



Stainless steel impeller



3 Inch 3 Inch(c)

### Technical data

Model	Rated/Max Flow (m³/h)	Rated/Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar Panels	
			Voltage (V)	Power (W)			VOC range (V)	Power (W)
3FLD2.5-15-24-140	0.5/2.5	9/15	DC24	140	3	1/1.25	25-50V	≥200
3FLD2.7-22-24-180	0.8/2.7	15/22	DC24	180	3	1/1.25	25-50V	≥250
3FLD3.4-35-24-300	2/3.4	16/35	DC24	300	3	1/1.25	25-50V	≥500
3FLD3.4-35-48-300	2/3.4	16/35	DC48	300	3	1/1.25	50-100V	≥500
3FLD3.4-40-48-400	1/3.4	30/40	DC48	400	3	1/1.25	50-100V	≥600
3FLD3.4-54-48-550	1/3.4	40/54	DC48	550	3	1/1.25	50-100V	≥800
3FLD5-35-48-550	2/5	22/35	DC48	550	3	1/1.25	50-100V	≥800
3FLD3.4-65-48-600	1/3.4	48/65	DC48	600	3	1/1.25	50-100V	≥800
3FLD3.4-80-48-750	1/3.4	60/80	DC48	750	3	1/1.25	50-100V	≥1000
3FLD5-50-48-750	3/5	33/50	DC48	750	3	1/1.25	50-100V	≥1000
3FLD3.4-80-72-750	1/3.4	60/80	DC72	750	3	1/1.25	75-150V	≥1080
3FLD5-50-72-750	3/5	33/50	DC72	750	3	1/1.25	75-150V	≥1080
3FLD3.4-120-72-1100	1/3.4	80/120	DC72	1100	3	1/1.25	75-150V	≥1500
3FLD5-72-72-1100	3/5	50/72	DC72	1100	3	1/1.25	75-150V	≥1500
3FLD5.4-85-96-1300	3/5.4	63/85	DC96	1300	3	1/1.25	100-200V	≥1720

## 3 Inch Stainless Steel Solar Screw Pump

### Advantage of solar water pump:

High efficiency because of PMSM  
 MPPT function  
 Longer life than normal AC water pump  
 Over-load protection, under-load protection, lock-rotor protection, thermal protection.



FLS

FLS-C

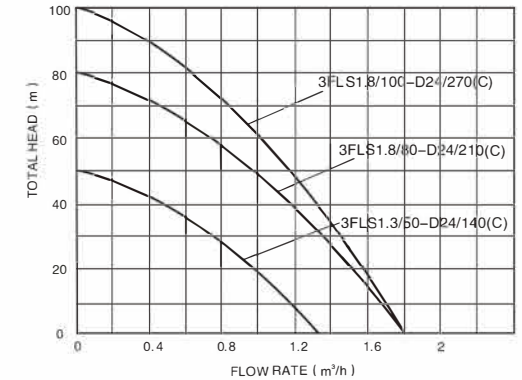


Screw



Cable Connector

### Curve



### Material of parts:

Pump head: SS304  
 Pump body: SS201 (SS304 is available)  
 Impeller: Screw  
 Bearing: NSK brand  
 Cable: 3m  
 Oil cooling  
 Motor: permanent magnetic synchronous

### Technical data

Model	Max Flow (m³/h)	Max Head (m)	Pump		Solar Panels		Pump Dia (inch)	Outlet Dia (inch)	Pump Height (mm)	Solar Panels Suggestion
			Voltage (V)	Power (W)	VOC range (V)	Power (W)				
3FLS1.0/30-D24/80(C)	1	30	DC24	80	25-50	150	3	0.75	420	1 pcs of 150w voc44v
3FLS1.3/50-D24/140(C)	1.3	50	DC24	140	25-50	200	3	0.75	420	1 pcs of 200w voc44v
3FLS1.8/80-D24/210(C)	1.8	80	DC24	210	25-50	300	3	0.75	420	1 pcs of 300w voc44v
3FLS1.8/100-D24/270(C)	1.8	100	DC24	300	25-50	500	3	0.75	420	2 pcs of 250w voc36v in series
3FLS1.8/120-D48/500(C)	1.8	120	DC48	500	50-100	800	3	0.75	420	2 pcs of 200w voc44v in series, then 2 groups in parallel
3FLS2.3/140-D48/750(C)	2.3	140	DC48	750	50-100	1200	3	0.75	420	2 pcs of 300w in series, then 2 groups in parallel
3FLS2.3/160-D72/1000(C)	2.3	160	DC72	1000	75-150	1500	3	0.75	420	3 pcs of 250w in series, then 2 groups in parallel
3FLS2.3/180-D72/1200(C)	2.3	180	DC72	1200	75-150	1800	3	0.75	420	3 pcs of 300w in series, then 2 groups in parallel

## 4 Inch DC Solar Deep Well Pump (Impeller Type)

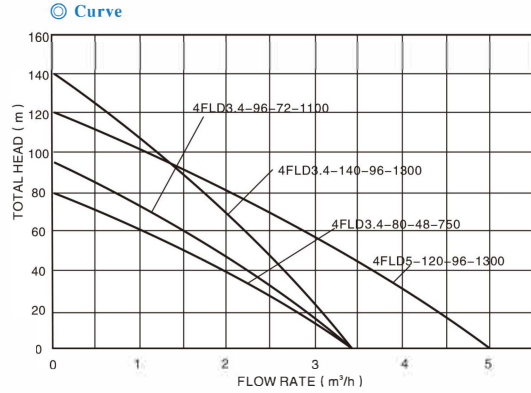
## 3"4" DC Solar Centrifugal Pumps with Controllers (Plastic impeller)

### Material of Parts

Pump head: SS304      Pump body: SS304  
 Impeller: SS304      Bearing: NSK brand  
 Cable: 3m              Oil cooling  
 Motor: permanent magnetic synchronous

### Advantage of solar water pump:

High efficiency because of PMSM  
 MPPT function  
 Intelligent water shortage protection  
 Longer life than normal AC water pump  
 Over-load protection, under-load protection, lock-rotor protection, thermal protection.



4 Inch

### Technical data

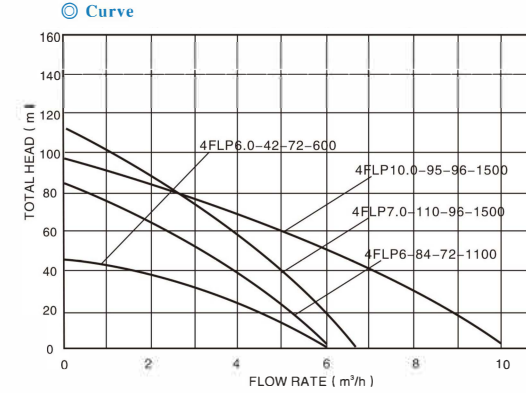
Model	Rated/Max Flow (m³/h)	Rated/Max Head (m)	Pump Voltage (V)	Pump Power (W)	Pump Dia (inch)	Outlet Dia (inch)	Solar Panels	
							VOC range (V)	Power (W)
4FLD4-50-48-550	4	50	DC48	550	4	1.25	50-100V	800
4FLD5.5-36-48-550	5.5	36	DC48	550	4	1.25	50-100V	800
4FLD7-30-48-550	7	30	DC48	550	4	1.25	50-100V	800
4FLD10-21-48-550	10	21	DC48	550	4	1.5	50-100V	800
4FLD4-80-48-750	4	80	DC48	750	4	1.25	50-100V	1000
4FLD5.5-54-48-750	5.5	54	DC48	750	4	1.25	50-100V	1000
4FLD7-40-48-750	7	40	DC48	750	4	1.25	50-100V	1000
4FLD10-32-48-750	10	32	DC48	750	4	1.5	50-100V	1000
4FLD3.8-96-72-1100	3.8	96	DC72	1100	4	1.25	75-150V	1500
4FLD5.5-72-72-1100	5.5	72	DC72	1100	4	1.25	75-150V	1500
4FLD7-60-72-1100	7	60	DC72	1100	4	1.25	75-150V	1500
4FLD10-43-72-1100	10	43	DC72	1100	4	1.5	75-150V	1500
4FLD18-22-72-1100	18	22	DC72	1100	4	2	75-150V	1500
4FLD34-15-72-1100	34	15	DC72	1100	4	3	75-150V	1500
4FLD4-140-96-1300	4	140	DC96	1300	4	1.25	100-200V	1720
4FLD5.5-120-96-1300	5.5	120	DC96	1300	4	1.25	100-200V	1720
4FLD7-95-96-1300	7	95	DC96	1300	4	1.25	100-200V	1720
4FLD10-60-96-1300	10	60	DC96	1300	4	1.5	100-200V	1720
4FLD18-33-96-1300	18	33	DC96	1300	4	2	100-200V	1720
4FLD38-18-96-1300	38	18	DC96	1300	4	3	100-200V	1720
4FLD3.7-154-96-1500	3.7	154	DC96	1500	4	1.25	100-200V	2250
4FLD5.5-132-96-1500	5.5	132	DC96	1500	4	1.25	100-200V	2250
4FL7.7-105-96-1500	7.7	105	DC96	1500	4	1.25	100-200V	2250
4FLD11-66-96-1500	11	66	DC96	1500	4	1.5	100-200V	2250
4FLD20-36-96-1500	20	36	DC96	1500	4	2	100-200V	2250
6FLD42-20-96-1500	42	20	DC96	1500	6	3	100-200V	2250

### Material of Parts

Pump head: SS304/Copper      Pump body: SS201  
 Impeller: Plastic              Bearing: NSK brand  
 Cable: 3m                      Oil cooling  
 Motor: permanent magnetic synchronous

### Advantage of solar water pump:

High efficiency because of PMSM  
 MPPT function  
 Intelligent water shortage protection  
 Longer life than normal AC water pump  
 Over-load protection, under-load protection, lock-rotor protection, thermal protection.



3 Inch

4 Inch

### Technical data

Model	Max flow (m³/h)	Head (m)	Voltage (V)	Power (W)	Solar panels		Outlet Dia. (inch)	Pipe Dia. (inch)
					VOC range (V)	Power (W)		
3FLP3-25-24-200	3	25	24	200	25-50	≥300	1.25	3
3FLP3-35-24-300	3	35	24	300	25-50	≥500	1.25	3
3FLP3.5-40-48-400	3.5	40	48	400	50-100	≥600	1.25	3
3FLP3.8-60-48-500	3.8	60	48	500	50-100	≥700	1.25	3
3FLP3.8-80-48-600	3.8	80	48	600	50-100	≥800	1.25	3
3FLP3.8-80-72-600	3.8	80	72	600	75-150	≥800	1.25	3
3FLP3.8-95-48-750	3.8	95	48	750	50-100	≥1000	1.25	3
3FLP3.8-95-72-750	3.8	95	72	750	75-150	≥1000	1.25	3
3FLP3.8-120-72-1100	3.8	120	72	1100	75-150	≥1500	1.25	3
3FLP3.8-120-110-1100	3.8	120	110	1100	100-200	≥1500	1.25	3
3FLP4.0-155-96-1300	4.0	155	96	1300	100-200	≥1700	1.25	3
3FLP6-35-48-550	6	35	48	550	50-100	≥700	1.5	3
3FLP6-50-72-750	6	50	72	750	75-150	≥1000	1.5	3
3FLP6-75-96-1100	6	75	96	1100	100-200	≥1500	1.5	3
3FLP6-85-96-1300	6	85	96	1300	100-200	≥1700	1.5	3

Model	Max flow (m³/h)	Head (m)	Voltage (V)	Power (W)	Solar panels		Outlet Dia.(inch)	Pipe Dia.(inch)
					VOC range (V)	Power (W)		
4FLP4.5-35-48-400	4.5	35	48	400	50-100	≥600	1.25	4
4FLP4.5-50-72-600	4.5	50	72	600	75-150	≥800	1.25	4
4FLP4.5-70-96-750	4.5	70	96	750	100-200	≥1000	1.25	4
4FLP4.5-80-110-900	4.5	80	110	900	100-200	≥1200	1.25	4
4FLP4.5-95-72-1100	4.5	95	72	1100	75-150	≥1500	1.25	4
4FLP4.5-130-96-1500	6	130	96	1500	100-200	≥2000	1.25	4
4FLP6-42-48-600	6	42	48	600	50-100	≥800	1.25	4
4FLP6-42-72-600	6	42	72	600	75-150	≥800	1.25	4
4FLP6-56-48-750	6	56	48	750	50-100	≥1000	1.25	4
4FLP6-56-72-750	6	56	72	750	75-150	≥1000	1.25	4
4FLP6-84-72-1100	6	84	72	1100	75-150	≥1500	1.25	4
4FLP6-84-110-1100	6	84	110	1100	100-200	≥1500	1.25	4
4FLP6-112-110-1300	6	112	110	1300	100-200	≥1700	1.25	4
4FLP6-135-110-1500	6	135	110	1500	100-200	≥2000	1.25	4
4FLP9-45-110-750	9	45	110	750	100-200	≥1000	2	4
4FLP9-58-110-1300	9	58	110	1300	100-200	≥1700	2	4
4FLP9-71-110-1500	9	71	110	1500	100-200	≥2000	2	4
4FLP11.5-30-72-750	11.5	30	72	750	75-150	≥1000	2	4
4FLP11.5-49-110-1100	11.5	49	110	1100	100-200	≥1500	2	4
4FLP11.5-55-110-1300	11.5	55	110	1300	100-200	≥1700	2	4
4FLP13-30-96-750	13	30	96	750	100-200	≥1000	2	4
4FLP13-40-110-900	13	40	110	900	100-200	≥1200	2	4
4FLP13-60-110-1500	13	60	110	1500	100-200	≥2000	2	4
4FLP16-45-110-750	16	45	110	750	100-200	≥1000	2	4
4FLP16-55-72-1100	16	55	72	1100	75-150	≥1500	2	4
4FLP16-65-110-1500	16	65	110	1500	100-200	≥2000	2	4
4FLP20-40-110-1500	20	40	110	1500	100-200	≥2000	2	4



Model	Rated/Max Flow (m³/h)	Rated/Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar panel	
			Voltage (V)	Power (kw)			VOC range (V)	power (kw)
3FLA2-50-0.75	2/4	50/85	AC110V/DC150	0.75	4	1.25	150-220V	1.0
4FLA2-55-0.75	2/3.8	55/90	AC110V/DC150	0.75	4	1.25	150-220V	1.0
4FLA3-40-0.75	3/5.5	40/70	AC110V/DC150	0.75	4	1.25	150-220V	1.0
4FLA4-30-0.75	4/7	30/50	AC110V/DC150	0.75	4	1.5	150-220V	1.0
4FLA7-23-0.75	7/10	23/34	AC110V/DC150	0.75	3	1	150-220V	1.0
3FLA2-70-1.1	2/4	70/120	AC110/DC300	1.1	4	1.25	150-220V	1.6
4FLA2-80-1.1	2/3.8	80/125	AC110/DC300	1.1	4	1.25	150-220V	1.6
4FLA3-65-1.1	3/5.5	65/110	AC110/DC300	1.1	4	1.25	150-220V	1.6
4FLA4-55-1.1	4/7	55/95	AC110/DC300	1.1	4	1.5	150-220V	1.6
4FLA7-32-1.1	7/10	32/45	AC110/DC300	1.1	4	2	150-220V	1.6
4FLA10-20-1.1	10/18	20/33	AC110/DC300	1.1	3	1	150-220V	1.6
3FLA2-110-1.5	2/4	110/150	AC220/DC300	1.5	4	1.25	360-450V	2.1
4FLA2-115-1.5	2/3.8	115/160	AC220/DC300	1.5	4	1.25	360-450V	2.1
4FLA3-90-1.5	3/5.5	90/145	AC220/DC300	1.5	4	1.25	360-450V	2.1
4FLA4-70-1.5	4/7	70/80	AC220/DC300	1.5	4	1.5	360-450V	2.1
4FLA7-40-1.5	7/10	40/60	AC220/DC300	1.5	4	2	360-450V	2.1
4FLA10-28-1.5	10/18	28/40	AC220/DC300	1.5	4	1.25	360-450V	2.1
4FLA2-180-2.2	2/3.8	180/250	AC 380/DC 540	2.2	4	1.25	660-800V	3.1
4FLA3-150-2.2	3/5.5	150/235	AC 380/DC 540	2.2	4	1.25	660-800V	3.1
4FLA4-100-2.2	4/7	100/140	AC 380/DC 540	2.2	4	1.5	660-800V	3.1
4FLA7-60-2.2	7/10	60/80	AC 380/DC 540	2.2	4	2"	660-800V	3.1
4FLA10-40-2.2	10/18	40/60	AC 380/DC 540	2.2	4	2"	660-800V	3.1
4FLA3-180-3	3/5.5	180/280	AC 380/DC 540	3	4	1.25"	660-800V	4.2
4FLA4-140-3	4/7	140/160	AC 380/DC 540	3	4	1.5"	660-800V	4.2
4FLA7-80-3	7/10	80/120	AC 380/DC 540	3	4	2"	660-800V	4.2
4FLA10-55-3	10/18	55/80	AC 380/DC 540	3	4	1.25"	660-800V	4.2
4FLA4-180-4	4/7	180/240	AC 380/DC 540	4	4	1.5"	660-800V	5.6
4FLA7-115-4	7/10	115/150	AC 380/DC 540	4	4	2"	660-800V	5.6
4FLA10-75-4	10/18	75/105	AC 380/DC 540	4	4	1.25"	660-800V	5.6
4FLA7-150-5.5	7/10	150/220	AC 380/DC 540	5.5	4	2"	660-800V	8.25
4FLA10-100-5.5	10/18	100/130	AC 380/DC 540	5.5	4	1.25	660-800V	8.25
4FLA7-200-7.5	7/10	200/250	AC 380/DC 540	7.5	4	2	660-800V	10.5
4FLA10-145-7.5	10/18	145/180	AC 380/DC 540	7.5	4	2	660-800V	10.5
4FLA20-80-7.5	20/30	80/110	AC 380/DC 540	7.5	4	2	660-800V	10.5





Stainless steel impeller



© Technical data

Model	Rated/ Max Flow (m <sup>3</sup> /h)	Rated/ Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar panel	
			Voltage (V)	Power (kw)			VOC range (v)	power (kw)
6FLA25-10-1.1	25/38	10/18	AC220/DC300	1.1	6	3	330-450V	1.6
6FLA25-14-1.5	25/38	14/20	AC220/DC300	1.5	6	3	330-450V	2.1
6FLA25-20-2.2	25/35	20/30	AC 380/DC 540	2.2	6	3	660-800V	3.1
6FLA45-10-2.2	45/65	10/18	AC 380/DC 540	2.2	6	3	660-800V	3.1
6FLA25-30-3	25/40	30/45	AC 380/DC 540	3	6	3	660-800V	4.2
6FLA60-14-3	60/85	14/22	AC 380/DC 540	3	6	3	660-800V	4.2
6FLA25-40-4	25/33	40/60	AC 380/DC 540	4	4	3	660-800V	5.6
6FLA40-18-4	40/62	18/32	AC 380/DC 540	4	6	3	660-800V	5.6
6FLA80-15-4	80/95	15/22	AC 380/DC 540	4	6	3	660-800V	5.6
6FLA25-50-5.5	25/35	50/75	AC 380/DC 540	5.5	6	3	660-800V	8.25
6FLA45-30-5.5	45/60	30/45	AC 380/DC 540	5.5	6	3	660-800V	8.25
6FLA60-25-5.5	60/80	25/38	AC 380/DC 540	5.5	6	3	660-800V	8.25
6FLA25-75-7.5	25	75	AC 380/DC 540	7.5	7.5	3	660-800V	10.5
6FLA45-44-7.5	45	44	AC 380/DC 540	7.5	7.5	3	660-800V	10.5
6FLA60-34-7.5	60	34	AC 380/DC 540	7.5	7.5	3	660-800V	10.5

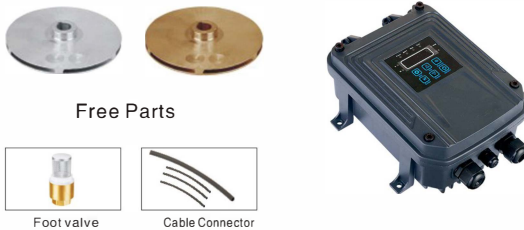
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Model	Rated/ Max Flow (m <sup>3</sup> /h)	Rated/ Max Head (m)	Pump		Pump Dia (inch)	Outlet Dia (inch)	Solar panel	
			Voltage (V)	Power (kw)			VOC range (v)	power (kw)
6FLA18-90-7.5	18/30	90/120	AC 380/DC 540	7.5	6"	3"	660-800V	10.5
6FLA30-60-7.5	30/53	60/78	AC 380/DC 540	7.5	6"	3"	660-800V	10.5
6FLA45-44-7.5	45/75	44/65	AC 380/DC 540	7.5	6"	3"	660-800V	10.5
6FLA60-32-7.5	60/80	32/55	AC 380/DC 540	7.5	6"	3"	660-800V	10.5
6FLA18-115-9	18/30	115/155	AC 380/DC 540	9	6"	3"	660-800V	12.6
6FLA30-80-9	30/53	80/100	AC 380/DC 540	9	6"	3"	660-800V	12.6
6FLA45-52-9	45/75	52/80	AC 380/DC 540	9	6"	3"	660-800V	12.6
6FLA60-40-9	60/80	40/68	AC 380/DC 540	9	6"	3"	660-800V	12.6
6FLA18-140-11	18/30	140/190	AC 380/DC 540	11	6"	3"	660-800V	15.75
6FLA30-100-11	30/53	100/135	AC 380/DC 540	11	6"	3"	660-800V	15.75
6FLA45-62-11	45/75	62/95	AC 380/DC 540	11	6"	3"	660-800V	15.75
6FLA60-48-11	60/80	48/80	AC 380/DC 540	11	6"	3"	660-800V	15.75
6FLA18-190-15	18/30	190/245	AC 380/DC 540	15	6"	3"	660-800V	21
6FLA30-120-15	30/53	120/160	AC 380/DC 540	15	6"	3"	660-800V	21
6FLA45-88-15	45/75	88/130	AC 380/DC 540	15	6"	3"	660-800V	21
6FLA60-64-15	60/80	64/110	AC 380/DC 540	15	6"	3"	660-800V	21
6FLA18-240-18.5	18/30	240/310	AC 380/DC 540	18.5	6"	3"	660-800V	26
6FLA30-135-18.5	30/53	135/180	AC 380/DC 540	18.5	6"	3"	660-800V	26
6FLA45-105-18.5	45/75	105/155	AC 380/DC 540	18.5	6"	3"	660-800V	26
6FLA60-72-18.5	60/80	72/125	AC 380/DC 540	18.5	6"	3"	660-800V	26
6FLA80-65-18.5	80/120	78/120	AC 380/DC 540	18.5	6"	3"	660-800V	26
6FLA30-170-22	30/53	170/210	AC 380/DC 540	22	6"	3"	660-800V	31.55
6FLA45-132-22	45/75	132/195	AC 380/DC 540	22	6"	3"	660-800V	31.55
6FLA60-95-22	60/80	95/160	AC 380/DC 540	22	6"	3"	660-800V	31.55
6FLA30-240-30	30/53	240/300	AC 380/DC 550	30	6"	3"	660-800V	42
6FLA45-170-30	45/75	170/245	AC 380/DC 540	30	6"	3"	660-800V	42
6FLA60-128-30	60/80	128/220	AC 380/DC 540	30	6"	3"	660-800V	42
6FLA80-100-30	80/120	100/150	AC 380/DC 540	30	8"	5"	660-800V	42
8FLA80-26-7.5	80/120	26/40	AC 380/DC 540	7.5	8"	5"	660-800V	10.5
8FLA95-23-9	95/140	23/41	AC 380/DC 540	9	8"	5"	660-800V	12.6
8FLA80-39-11	80/120	39/60	AC 380/DC 540	11	8"	5"	660-800V	15.75
8FLA80-52-15	80/120	52/80	AC 380/DC 540	15	8"	5"	660-800V	21
8FLA80-65-18.5	80/120	65/100	AC 380/DC 540	18.5	8"	3"	660-800V	26
8FLA80-78-22	80/120	78/120	AC 380/DC 540	22	8"	5"	660-800V	31.55
8FLA95-58-22	95/140	58/100	AC 380/DC 540	22	8"	5"	660-800V	31.55
8FLA95-84-30	95/140	84/160	AC 380/DC 540	30	8"	5"	660-800V	42
10FLA125-20-11	125/200	20/30	AC 380/DC 540	11	10"	6"	660-800V	15.75
10FLA125-40-22	125/200	40/60	AC 380/DC 550	22	10"	6"	660-800V	31.55
10FLA125-60-30	125/200	60/85	AC 380/DC 550	30	10"	6"	660-800V	42



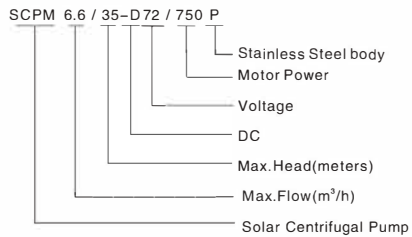
Material of Parts

- Outlet: Stainless Steel
- Pump body: Stainless Steel /Cast iron
- Impeller: Stainless Steel/Brass
- Motor Body: Die-cast Aluminum
- Bearing: NSK
- Screw: Stainless Steel
- Motor: Brushless DC motor
- Controller shell: Die-cast Aluminum (IP67)

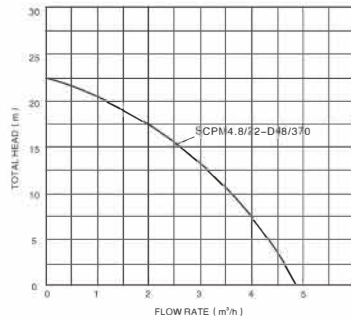


Free Parts

Model Explanation



Curve



Pump Performance

Model	Pump		Solar Panels		Max. Flow (m <sup>3</sup> /h)	Max. Head (m)	Outlet Dia. (inch)
	Voltage(V)	Power(W)	VOC range (V)	Power(W)			
SCPM6.6/35-D48/750P	48	750	50-100	1000-1250	6.6	35	1.25 x 1
SCPM4.8/22-D48/370	48	370	50-100	500-600	4.8	22	1 x 1
SCPM6.6/35-D48/750	48	750	50-100	1000-1200	6.6	35	1 x 1
SCPM16/18-D48/750	48	750	50-100	1000-1200	16	18	1.5 x 1.5
SCPM27/15-D72/1100	72	1100	76-150	1500-2000	27	15	2 x 2
SCPM55-17-110-1500	110	1500	100-200	≥2000	25	22	3 x 3
SCPM70-16-220/300-2200	280	2200	360-450	≥2900	53	19	4 x 4



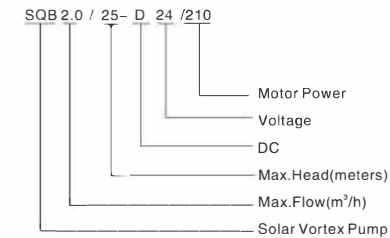
Material of Parts

- Outlet: Cast Iron
- Pump body: Stainless steel/Cast iron
- Impeller: Brass
- Motor Body: Die-cast Aluminum
- Bearing: NSK
- Screw: Stainless Steel
- Motor: Brushless DC motor
- Controller shell: Die-cast Aluminum (IP67)

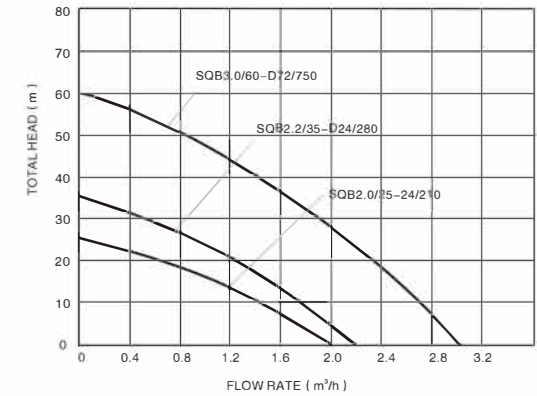


Free Parts

Model Explanation



Curve



Pump Performance

Model	Pump		Solar Panels		Max Flow (m <sup>3</sup> /h)	Max. Head (m)	Outlet Dia. (Inch)
	Voltage (V)	Power (W)	VOC range (V)	Power (W)			
SQB2.0/25-D24/210	24	210	25-50	280-380	2	25	1 x 1
SQB2.2/35-D24/280	24	280	25-50	280-380	2.2	35	1 x 1
SQB3.0/50-D48/550	48	550	50-100	720-900	3	50	1 x 1
SQB3.0/50-D72/550	72	550	75-150	720-900	3	50	1 x 1
SQB3.0/60-D72/750	72	750	75-150	1000-1250	3	60	1 x 1

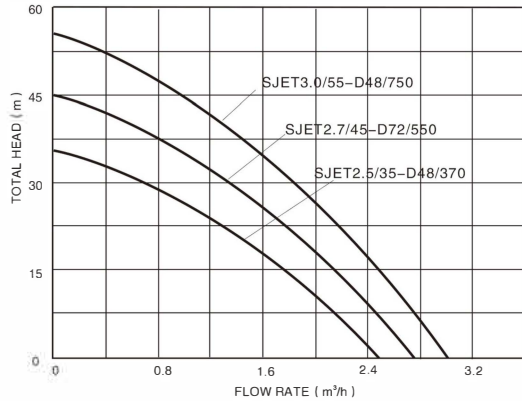
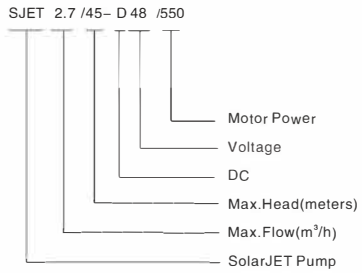


Material of Parts

- Outlet: Stainless Steel
- Pump body: Stainless Steel
- Impeller: Stainless steel/Plastic
- Motor Body : Die-cast Aluminum
- Bearing: NSK
- Screw: Stainless Steel
- Motor: Brushless DC motor
- Controller shell: Die-cast Aluminum (IP67)

Curve

Model Explanation



Pump Performance

Model	Pump		Solar Panels		Max. Flow (m³/h)	Max. Head (m)	Outlet Dia. (inch)
	Voltage (V)	Power (W)	VOC range (V)	Power (W)			
SJET2.5/35-D48/370	48	370	50-100	500-600	2.5	35	1 x 1
SJET2.7/45-D48/550	48	550	50-100	720-900	2.7	45	1 x 1
SJET2.7/45-D72/550	72	550	75-150	720-900	2.7	45	1 x 1
SJET3.0/55-D48/750	48	750	50-100	1000-1250	3	55	1 x 1
SJET3.0/55-D72/750	72	750	75-150	1000-1250	3	55	1 x 1

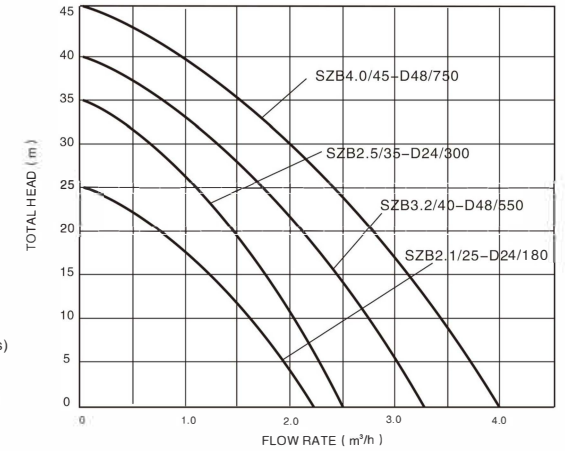
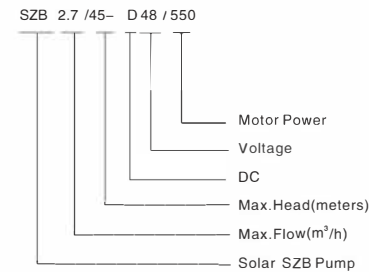


Material of Parts

- Outlet: Cast Iron
- Pump body: Cast Iron
- Impeller: Plastic
- Motor Body : Die-cast Aluminum
- Bearing: NSK
- Screw: Stainless Steel
- Motor: Brushless DC motor
- Controller shell: Die-cast Aluminum (IP67)

Curve

Model Explanation



Pump Performance

Model	Pump		Solar Panels		Max Flow (m³/h)	Max. Head (m)	Outlet Dia. (inch)
	Voltage (V)	Power (W)	VOC range (V)	Power (W)			
SZB2.1/25-D24/180	24	180	25-50	250-300	2.1	25	1 x 1
SZB2.5/35-D24/300	24	300	25-50	500-600	2.5	35	1 x 1
SZB3.2/40-D48/550	48	550	50-100	750-1000	3.2	40	1 x 1
SZB4.0/45-D48/750	48	750	50-100	1000-1250	4	45	1 x 1

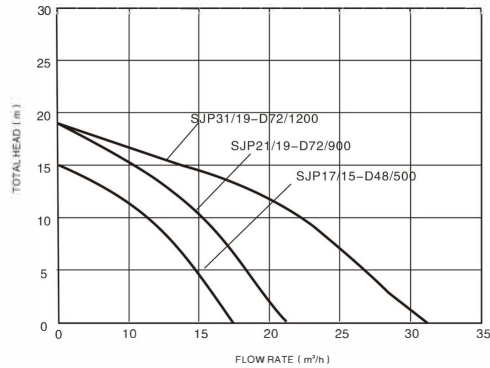




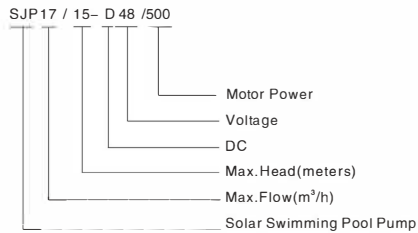
Material of Parts

- Outlet: Plastic
- Pump body: Plastic
- Impeller: Plastic
- Motor Body : Die-cast Aluminum
- Bearing: NSK
- Screw: Stainless Steel
- Motor: Brushless DC motor
- Controller shell: Die-cast Aluminum (IP67)

Curve



Model Explanation



Pump Performance

Model	Pump		Solar Panels		Max. Flow (m³/h)	Max. Head (m)	Outlet Dia. (inch)
	Voltage (V)	Power (W)	VOC range (V)	Power (W)			
SJP6/9-D24/200	24	200	25-50	280-380	6	9	1.5 x 1.5
SJP17/15-D48/500	48	500	50-100	650-800	17	15	2 x 2
SJP21/19-D72/900	72	900	75-150	1200-1400	21	19	2 x 2
SJP31/19-D72/1200	72	1200	75-150	1560-1800	31	19	2.5 x 2.5
SJP35/11-D96/1500	DC96	1500	100-200	2000-2500	35	11	2.5 x 2.5
SJP35/11-D300/1500	AC220/DC300	1500	330-450	2000-2500	35	11	2.5 x 2.5

High-speed-working impellers splash the water into the air—these splashing water mix the oxygen in the air and be brought into the water and dissolved oxygen in the water increase.

The working impellers produce waves and currents—make the saturated ammonia, CO<sub>2</sub>, methane, sulfuretd hydrogen, etc. go out of the water—the water quality improved.

Working Principle

Powerful features making wave with the bottom surface accelerated the exchange of oxygen-rich water to fully utilize photosynthesis of algae to consume organic residues, can save feed, but also purify water, to avoid NH<sub>3</sub> and nitrite and other harmful substances. Pond surface waves more easily dissolved oxygen rate, adjust the upper and lower temperature, more conducive to water modulation.

Solar Aerator

Model	Voltage (v)	Power (w)	VOC range (v)	Solar power (w)	Flow (m³/h)	Head (m)	Outlet (inch)	Covering area (m²)
SFB15/4.5-48/370	DC48	370	50-100	600	15	4.5	3	100-200
SFB25/5-48/750	DC48	750	50-100	1000-1200	25	5	3	333-666
SFB30/7-72/1100	DC72	1100	75-150	1500-1800	30	7	3	500-1000
SFB40/6-96/1500	DC96	1500	100-200	2000-2400	40	6	3	666-1332
SFB55/5-300/2200	AC220/DC300	2200	330-450	2500-3000	55	5	4	1000-2000

Solar Paddle Wheel Aerator

Model	Voltage (v)	Power (w)	VOC range (v)	Solarpower (w)	Quantity of impeller	Oxygenation rate (kg/h)	Covering area (m²)
SSC2-48/750	DC48	750	50-100	1000-1200	2	≥1.1	666-3330
SSC4-96/1500	DC96	1500	100-200	2000-2400	4	≥1.9	2000-6660
SSC6-300/2200	AC220/DC300	2200	330-450	2500-3000	6	≥2.0	2665-8000

Solar Impeller Aerator

Model	Voltage (v)	Power (w)	VOC range (v)	Solarpower (w)	Oxygenation rate (kg/h)	Covering area (m²)
SYL-48/750	DC48	750	50-100	1000-1200	≥1.1	666-2000
SYL-72/1100	DC72	1100	75-150	1500-1800	≥1.6	2000-2665
SYL-96/1500	DC96	1500	100-200	2000-2400	≥2.3	2000-4000
SYL-300/2200	AC220/DC300	2200	330-450	2500-3000	≥3.4	2665-5328

## Solar power self-priming pump

FLZ:

Material of parts:

Outlet: cast iron/ stainless steel

Pump body: cast iron/ stainless steel

Impeller: brass/ stainless steel

Motor body: die-cast aluminum

Bearing: NSK

Screw: stainless steel

Motor: brushless DC motor

FL-SU:

Material of parts:

Outlet: die-cast aluminum

Pump body: die-cast aluminum

Impeller: die-cast aluminum

Motor body: die-cast aluminum

Bearing: NSK

Screw: stainless steel

Motor: brushless DC motor

Model	Pump		Max flow (m <sup>3</sup> /h)	Head (m)	Outlet (inch)	Solar panels	
	Voltage (V)	Power (W)				VOC range (V)	Power (W)
FLZ2-25-24-200	24	200	2	25	1"1	25-50	≥300
FLZ2-30-24-300	24	300	2	30	1"1	25-50	≥500
FLZ2-5-35-48-400	48	400	2.5	35	1"1	50-100	≥600
FLZ3-45-48-600	48	600	3	45	1"1	50-100	≥800
FLZ3-5-55-72-800	72	800	3.5	55	1"1	75-150	≥1100
FLZ6-55-96-1100	96	1100	6	55	1.5"1.5	100-200	≥1500

Model	Pump		Max flow (m <sup>3</sup> /h)	Head (m)	Outlet (inch)	Solar panels	
	Voltage (V)	Power (W)				VOC range (V)	Power (W)
FLSU25-22-110-1500	110	1500	25	22	2"2	100-200	≥2000
FLSU53-19-220/300-2200	280	2200	53	19	3"3	300-450	≥2900

## Solar DC Submersible Pump

### Brush DC Submersible Pump

Model	Voltage (V)	Power (W)	Flow (L/min)	Head (m)	Outlet (mm)	Weight (kg)
ZQB-12	DC12V	125	100	8	25	3
ZQB-24	DC24V	135	135	10	25	3.2
ZQB-48	DC48V	185	170	12	25	3.4
ZQB-60	DC60V	230	200	18	25	3.8

### Brush DC Centrifugal Pump

Model	Voltage (V)	Power (W)	Flow (m <sup>3</sup> /h)	Max Head (m)	Outlet (mm)
3FMDC24-1	24	250	3.5	30	25
3FMDC48-1	48	250	3.5	35	25
3FMDC24-2	24	250	6.3	18	40
3FMDC48-2	48	250	6.3	22	40
3SMDC24-1	24	250	4.8	25	25
3SMDC48-1	48	250	4.8	30	25

### Brush DC Screw Pump

Model	Voltage (V)	Power (W)	Flow (m <sup>3</sup> /h)	Max Head (m)	Outlet (mm)
FL-12-300	12	300	1.5	20	32
FL-24-300	24	300	1.5	30	32
FL-48-370	48	370	1.5	40	32
FL-60-370	60	370	1.5	45	32

### Brushless DC Submersible Pump

Model	Voltage (V)	Power (W)	Flow (m <sup>3</sup> /h)	Max Head (m)	Speed (r/min)	Outlet (mm)
ZQB-1-12	12V	100	8	17	3600	25
ZQB-1-24	24V	200	10	21	3500	25
ZQB-1-48/60	48/60	300	10	21	3300	25
ZQB-2-48/60	48/60	600	30	15	3300	50
ZQB-3-48/60	48/60	800	45	13	3300	80