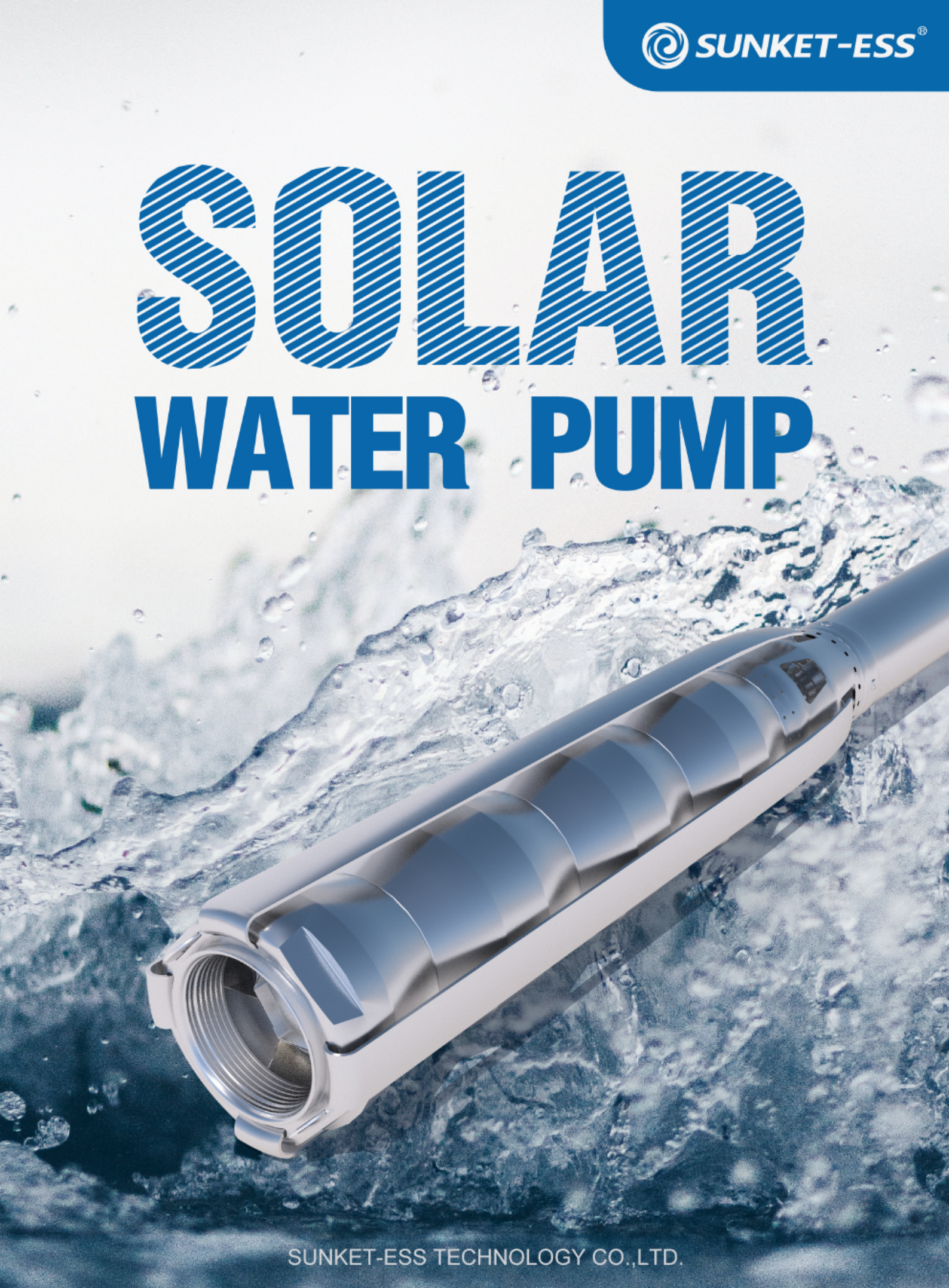
SUNKET-ESS®

SOLAR WATER PUMP



SUNKET-ESS TECHNOLOGY CO.,LTD.



3 Inch 4 Inch

Free spare parts



Material of parts

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

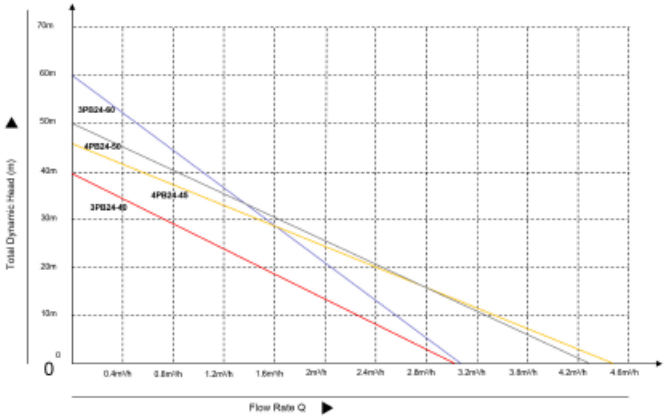
Advantage of solar water pump

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





Curve



Technical data

NO.	Model	Rated/ Max Flow(m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3PB24-40	1/3	25/40	DC 36V	200	3	1	18-50V	≥200
2	3PB24-60	1/3	40/60	DC 36V	400	3	1	18-50V	≥400
3	4PB24-50	1.5/3.5	30/50	DC 36V	400	4	1	18-50V	≥400
4	4PB24-50	2/4	25/45	DC 36V	400	4	1	18-50V	≥400



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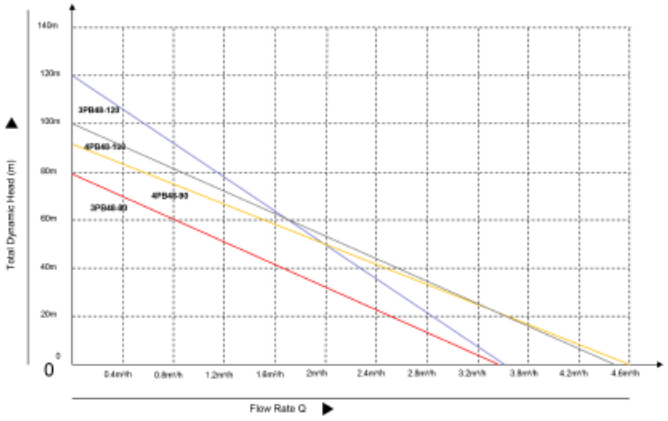
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				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3PB48-80	1/3	50/80	DC 72V	400	3	1	36-100V	≥500
2	3PB48-120	1/3	80/120	DC 72V	800	3	1	36-100V	≥700
3	4PB48-100	1.5/3.5	60/100	DC 72V	800	4	1	36-100V	≥700
4	4PB48-90	2/4	50/90	DC 72V	800	4	1	36-100V	≥700



3 Inch 4 Inch





Free spare parts



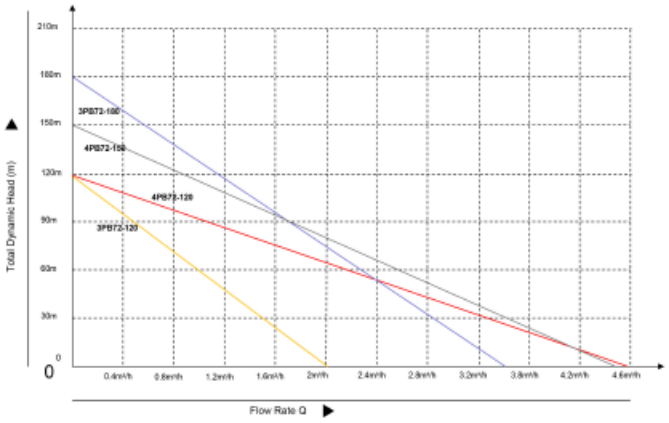
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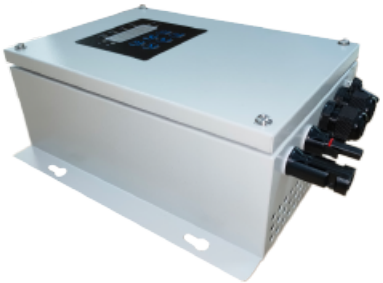
Technical data

NO.	Model	Rated/ Max Flow(m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3PB72-120	0.6/1.8	75/120	DC 108V	600	3	1	54-150V	≥600
2	3PB72-180	1/3	120/180	DC 108V	1200	3	1	54-150V	≥900
3	4PB72-120	1.5/3.5	90/150	DC 108V	1200	4	1	54-150V	≥900
4	4PB72-120	2/4	75/120	DC 108V	1200	4	1	54-150V	≥900



3 Inch 4 Inch





Free spare parts



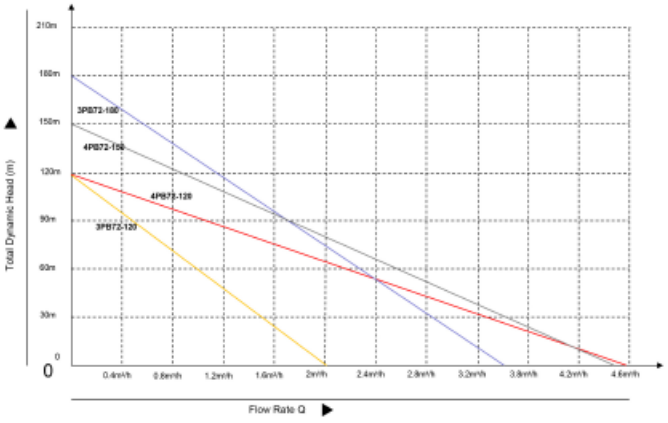
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				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3SC1.5/6-400	1.5/4	20/40	DC 36V	400	3	1.2	18-50V	≥400
2	4SC1.5/9-400	1.5/4	25/50	DC 36V	400	4	1.5	18-50V	≥400
3	4SC2/24-400	2/5	20/40	DC 36V	400	4	1.5	18-50V	≥400
4	4SC4/5-400	4/10	10/30	DC 36V	400	4	1.5	18-50V	≥400



3 Inch 4 Inch


NSK Bearing


Oil seal


Impeller


SS304



Free spare parts



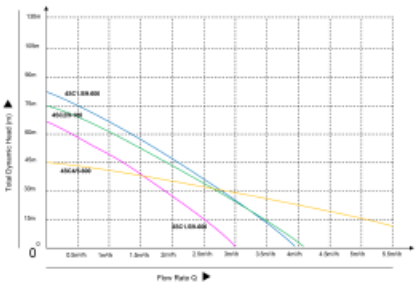
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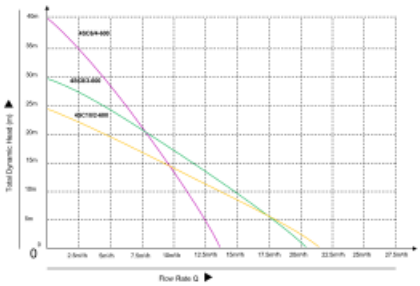
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				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3SC1.5/9-800	1.5/5	40/65	DC 72V	800	3	1.2	36-100V	≥700
2	4SC1.5/9-800	1.5/4	50/85	DC 72V	800	4	1.5	36-100V	≥700
3	4SC2/9-800	2/5	40/75	DC 72V	800	4	1.5	36-100V	≥700
4	4SC4/5-800	4/10	25/45	DC 72V	800	4	1.5	36-100V	≥700
5	4SC6/4-800	6/14	23/40	DC 72V	800	4	1.5	36-100V	≥700
6	4SC8/3-800	8/18	18/30	DC 72V	800	4	1.5	36-100V	≥700
7	4SC10/2-800	10/25	13/25	DC 72V	800	4	1.5	36-100V	≥700



3 Inch 4 Inch


NSK Bearing


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Impeller


SS304



Free spare parts



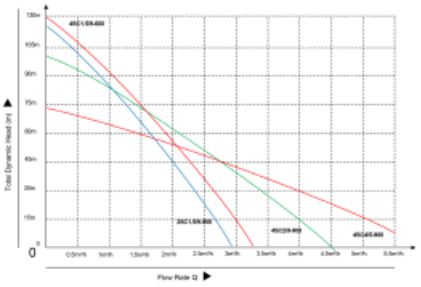
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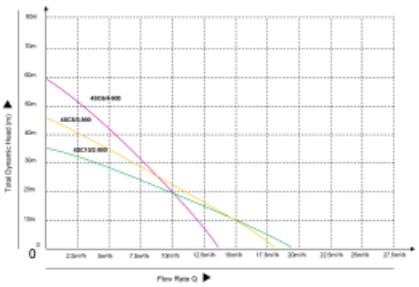
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				Voltage(V)	Power(W)			VOC Range(V)	Power(W)
1	3SC1.5/9-1200	1.5/5	70/120	DC 108V	1200	3	1.2	54-150V	≥900
2	4SC1.5/9-1200	1.5/4	75/127	DC 108V	1200	4	1.5	54-150V	≥900
3	4SC2/9-1200	2/5	60/112	DC 108V	1200	4	1.5	54-150V	≥900
4	4SC4/5-1200	4/10	37/67	DC 108V	1200	4	1.5	54-150V	≥900
5	4SC6/4-1200	6/14	34/60	DC 108V	1200	4	1.5	54-150V	≥900
6	4SC8/3-1200	8/18	27/45	DC 108V	1200	4	1.5	54-150V	≥900
7	4SC10/2-1200	10/25	18/36	DC 108V	1200	4	1.5	54-150V	≥900



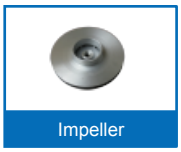
4 Inch & 5 Inch



NSK Bearing



Oil seal



Impeller



SS304



OR



Free spare parts



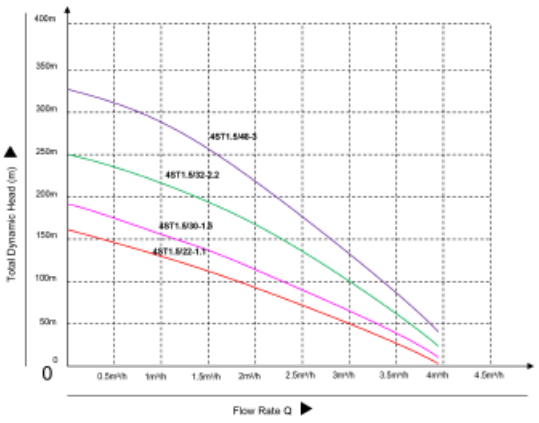
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Curve



Technical data

NO.	Model	Rated/ Max Flow (m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST1.5/22-1.1	1.5/4	110/154	DC 300V	1.1	4	1.5	250-420V	≥1500
2	4ST1.5/30-1.5	1.5/4	130/182	DC 300V	1.5	4	1.5	250-420V	≥2000
3	4ST1.5/32-2.2	1.5/4	190/250	DC 300V	2.2	4	1.5	250-420V	≥2500
4	4ST1.5/48-3	1.5/4	270/332	DC 300V	3	4	1.5	250-420V	≥3500



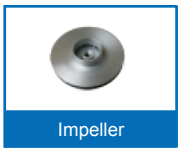
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NSK Bearing



Oil seal



Impeller



SS304



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Free spare parts



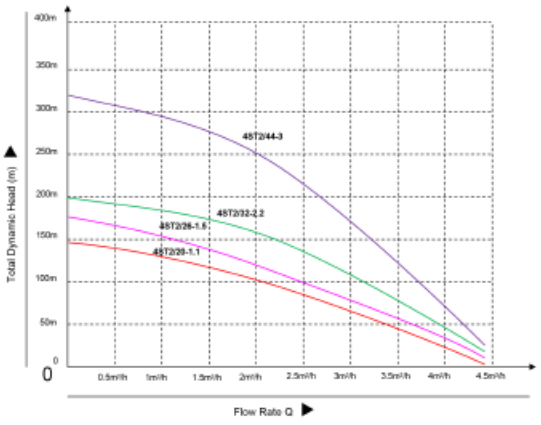
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Curve



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NO.	Model	Rated/ Max Flow (m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST2/20-1.1	2/5	107/140	DC 300V	1.1	4	1.5	250-420V	≥1500
2	4ST2/26-1.5	2/5	120/182	DC 300V	1.5	4	1.5	250-420V	≥2000
3	4ST2/32-2.2	2/5	180/200	DC 300V	2.2	4	1.5	250-420V	≥2500
4	4ST2/44-3	2/5	250/320	DC 300V	3	4	1.5	250-420V	≥3500



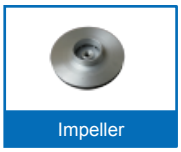
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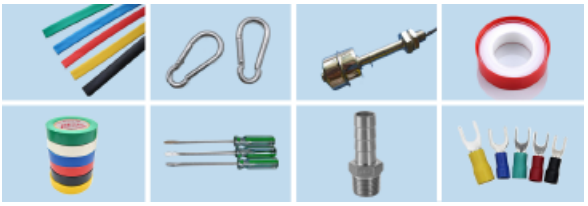
SS304



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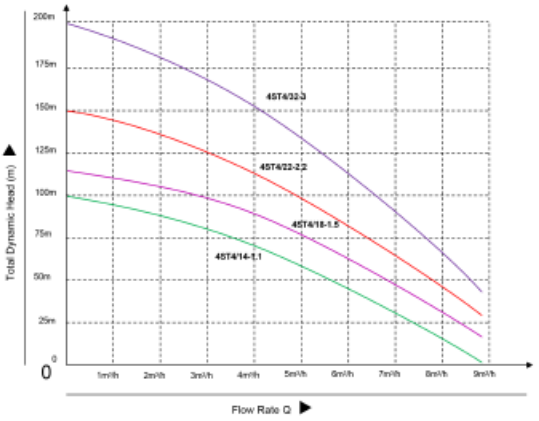
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST4/14-1.1	4/10	70/101	DC 300V	1.1	4	1.5	250-420V	≥1500
2	4ST4/18-1.5	4/10	90/110	DC 300V	1.5	4	1.5	250-420V	≥2000
3	4ST4/22-2.2	4/10	110/151	DC 300V	2.2	4	1.5	250-420V	≥2500
4	4ST4/32-3	4/10	150/206	DC 300V	3	4	1.5	250-420V	≥3500



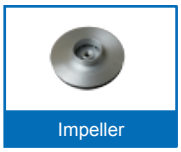
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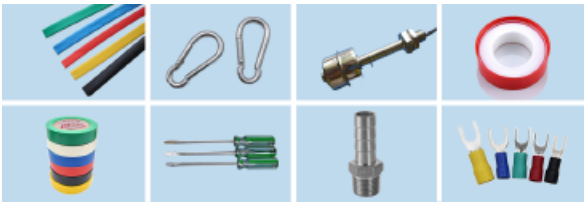
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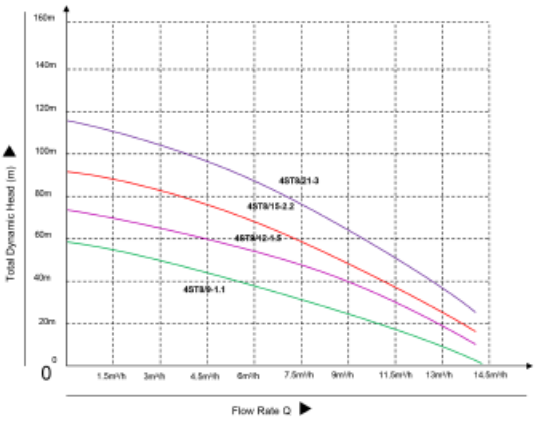
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST6/12-1.1	6/12	44/79	DC 300V	1.1	4	1.5	250-420V	≥1500
2	4ST6/15-1.5	6/12	59/88	DC 300V	1.5	4	1.5	250-420V	≥2000
3	4ST6/22-2.2	6/12	84/126	DC 300V	2.2	4	1.5	250-420V	≥2500
4	4ST6/30-3	6/12	118/164	DC 300V	3	4	1.5	250-420V	≥3500



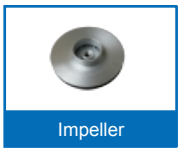
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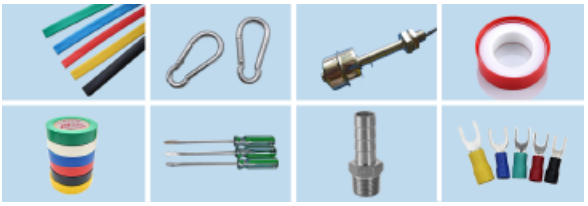
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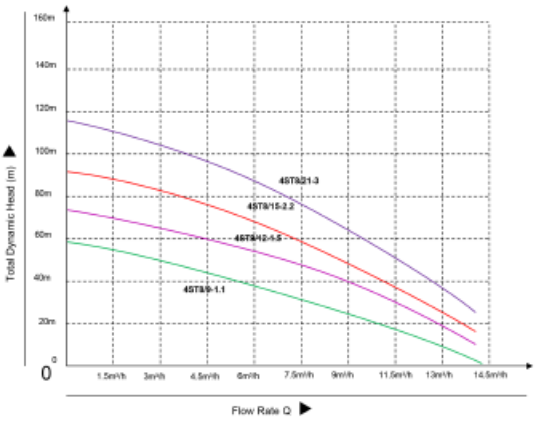
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST8/9-1.1	8/20	36/58	DC 300V	1.1	4	1.5	250-420V	≥1500
2	4ST8/12-1.5	8/20	49/77	DC 300V	1.5	4	1.5	250-420V	≥2000
3	4ST8/15-2.2	8/20	55/87	DC 300V	2.2	4	1.5	250-420V	≥2500
4	4ST8/21-3	8/20	75/116	DC 300V	3	4	1.5	250-420V	≥3500



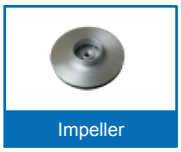
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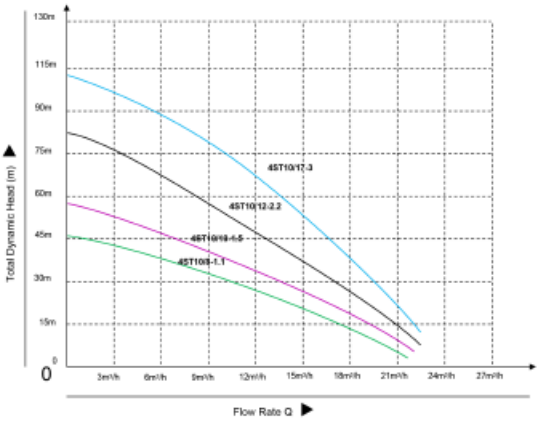
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NO.	Model	Rated/ Max Flow (m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST10/8-1.1	10/25	27/58	DC 300V	1.1	4	2	250-420V	≥1500
2	4ST10/10-1.5	10/25	32/55	DC 300V	1.5	4	2	250-420V	≥2000
3	4ST10/12-2.2	10/25	50/79	DC 300V	2.2	4	2	250-420V	≥2500
4	4ST10/17-3	10/25	65/109	DC 300V	3	4	2	250-420V	≥3500



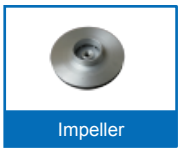
4 Inch & 5 Inch



NSK Bearing



Oil seal



Impeller



SS304



OR



Free spare parts



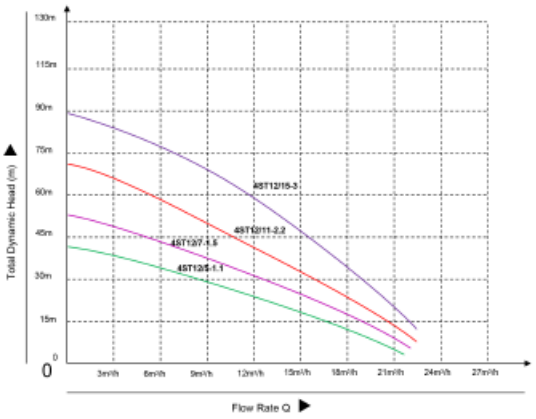
Material of parts

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

Advantage of solar water pump

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Solar panel MPPT function
Longer life than normal AC water pump
Over-load protection, under-load protection,
lock-rotor protection, thermal protection.

Curve



Technical data

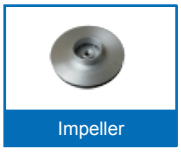
NO.	Model	Rated/ Max Flow (m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4ST12/5-1.1	10/25	23/40	DC 300V	1.1	4	2	250-420V	≥1500
2	4ST12/7-1.5	10/25	30/52	DC 300V	1.5	4	2	250-420V	≥2000
3	4ST12/11-2.2	10/25	40/72	DC 300V	2.2	4	2	250-420V	≥2500
4	4ST12/15-3	10/25	55/91	DC 300V	3	4	2	250-420V	≥3500



4 Inch & 5 Inch


NSK Bearing


Oil seal


Impeller


SS304



OR



Free spare parts



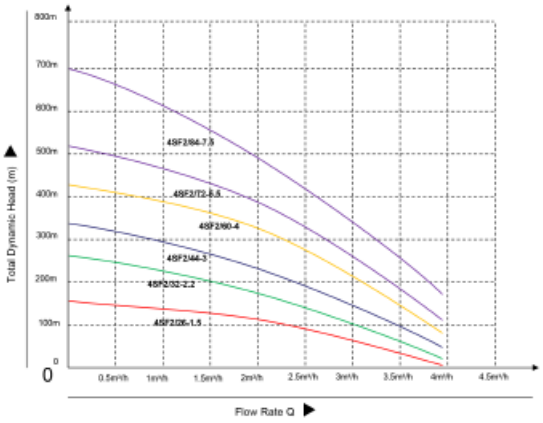
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Curve



Technical data

NO.	Model	Rated/ Max Flow(m^3/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF2/26-1.5	2/5	120/159	DC 500V	1.5	4	1.5	400-750V	≥2000
2	4SF2/32-2.2	2/5	190/252	DC 500V	2.2	4	1.5	400-750V	≥2500
3	4SF2/44-3	2/5	250/332	DC 500V	3	4	1.5	400-750V	≥3500
4	4SF2/60-4	2/5	320/420	DC 500V	4	4	1.5	400-750V	≥4500
5	4SF2/72-5.5	2/5	380/520	DC 500V	5.5	4	1.5	400-750V	≥6000
6	4SF2/84-7.5	2/5	470/700	DC 500V	7.5	4	1.5	400-750V	≥8500



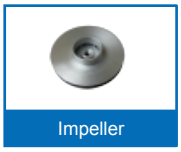
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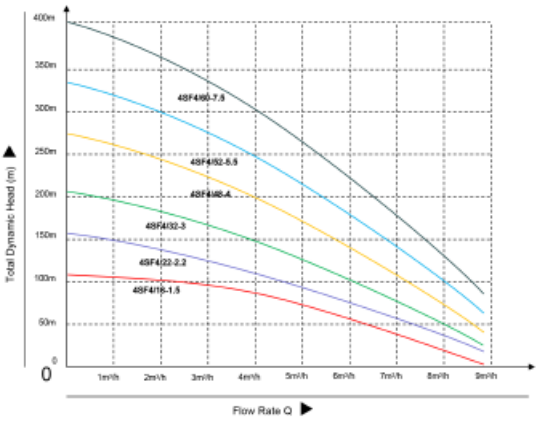
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Technical data

NO.	Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF4/18-1.5	4/10	90/110	DC 500V	1.5	4	1.5	400-750V	≥2000
2	4SF4/22-2.2	4/10	110/151	DC 500V	2.2	4	1.5	400-750V	≥2500
3	4SF4/32-3	4/10	150/206	DC 500V	3	4	1.5	400-750V	≥3500
4	4SF4/48-4	4/10	200/268	DC 500V	4	4	1.5	400-750V	≥4500
5	4SF4/52-5.5	4/10	250/337	DC 500V	5.5	4	1.5	400-750V	≥6000
6	4SF4/60-7.5	4/10	300/408	DC 500V	7.5	4	1.5	400-750V	≥8500



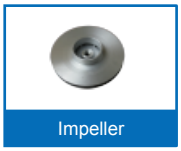
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SS304



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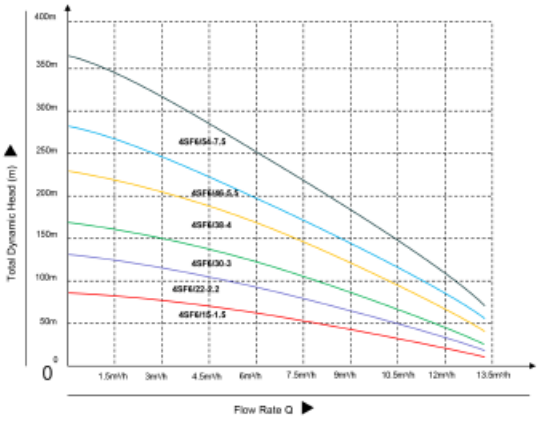
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NO.	Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF6/15-1.5	6/12	59/88	DC 500V	1.5	4	1.5	400-750V	≥2000
2	4SF6/22-2.2	6/12	84/126	DC 500V	2.2	4	1.5	400-750V	≥2500
3	4SF6/30-3	6/12	118/164	DC 500V	3	4	1.5	400-750V	≥3500
4	4SF6/38-4	6/12	152/227	DC 500V	4	4	1.5	400-750V	≥4500
5	4SF6/46-5.5	6/12	194/290	DC 500V	5.5	4	1.5	400-750V	≥6000
6	4SF6/54-7.5	6/12	244/370	DC 500V	7.5	4	1.5	400-750V	≥8500



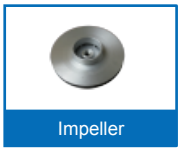
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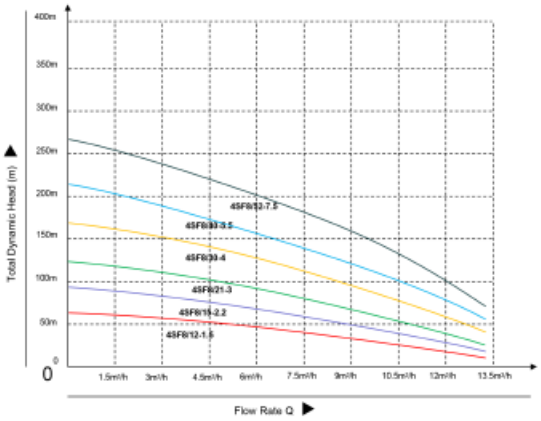
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NO.	Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF8/12-1.5	8/20	40/64	DC 500V	1.5	4	1.5	400-750V	≥2000
2	4SF8/15-2.2	8/20	55/87	DC 500V	2.2	4	1.5	400-750V	≥2500
3	4SF8/21-3	8/20	75/116	DC 500V	3	4	1.5	400-750V	≥3500
4	4SF8/30-4	8/20	105/162	DC 500V	4	4	1.5	400-750V	≥4500
5	4SF8/40-5.5	8/20	130/209	DC 500V	5.5	4	1.5	400-750V	≥6000
6	4SF8/52-7.5	8/20	170/264	DC 500V	7.5	4	1.5	400-750V	≥8500



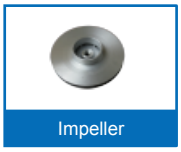
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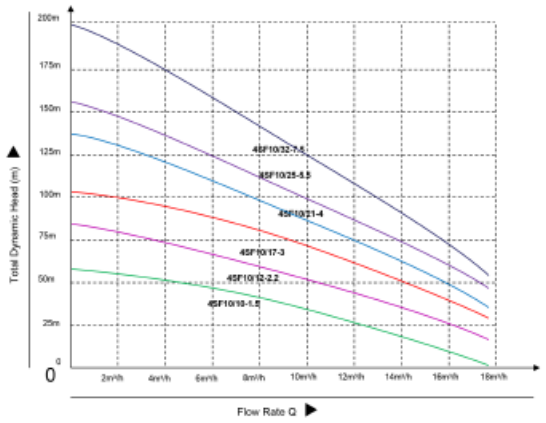
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Technical data

NO.	Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF10/10-1.5	10/25	32/55	DC 500V	1.5	4	2	400-750V	≥2000
2	4SF10/12-2.2	10/25	50/79	DC 500V	2.2	4	2	400-750V	≥2500
3	4SF10/17-3	10/25	65/109	DC 500V	3	4	2	400-750V	≥3500
4	4SF10/21-4	10/25	80/139	DC 500V	4	4	2	400-750V	≥4500
5	4SF10/25-5.5	10/25	95/170	DC 500V	5.5	4	2	400-750V	≥6000
6	4SF10/32-7.5	10/25	120/206	DC 500V	7.5	4	2	400-750V	≥8500



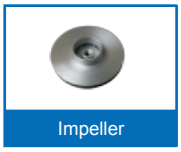
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SS304



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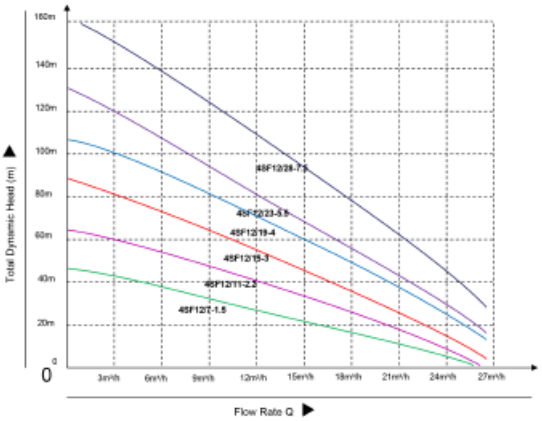
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Advantage of solar water pump

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Curve



Technical data

NO.	Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Pump Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
				Voltage(V)	Power(KW)			VOC Range(V)	Power(W)
1	4SF12/7-1.5	12/30	23/52	DC 500V	1.5	4	2	400-750V	≥2000
2	4SF12/11-2.2	12/30	40/72	DC 500V	2.2	4	2	400-750V	≥2500
3	4SF12/15-3	12/30	55/91	DC 500V	3	4	2	400-750V	≥3500
4	4SF12/19-4	12/30	65/111	DC 500V	4	4	2	400-750V	≥4500
5	4SF12/23-5.5	12/30	75/130	DC 500V	5.5	4	2	400-750V	≥6000
6	4SF12/28-7.5	12/30	103/176	DC 500V	7.5	4	2	400-750V	≥8500



4 Inch & 5 Inch





Free spare parts



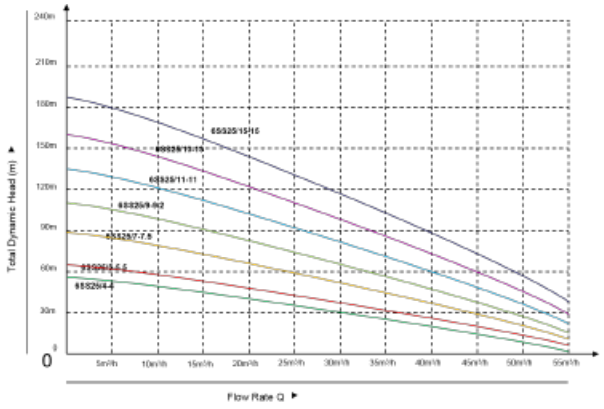
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(KW)
1	6SS25/4-4	25/65	35/49	DC 500V	4	6	3	400-750V	≥6
2	6SS25/5-5.5	25/65	43/62	DC 500V	5.5	6	3	400-750V	≥8
3	6SS25/7-7.5	25/65	61/89	DC 500V	7.5	6	3	400-750V	≥11
4	6SS25/9-9.2	25/65	78/113	DC 500V	9.2	6	3	400-750V	≥13
5	6SS25/11-11	25/65	95/135	DC 500V	11	6	3	400-750V	≥16
6	6SS25/13-13	25/65	113/160	DC 500V	13	6	3	400-750V	≥18
7	6SS25/15-15	25/65	130/185	DC 500V	15	6	3	400-750V	≥21



4 Inch & 5 Inch





Free spare parts



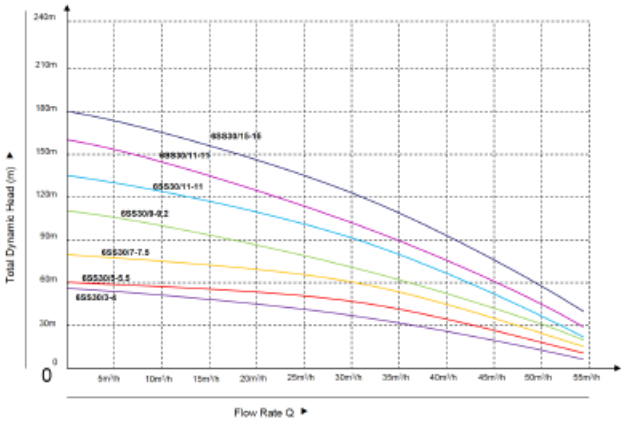
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(KW)
1	6SS30/3-4	30/75	36/50	DC 500V	4	6	3	400-750V	≥6
2	6SS30/5-5.5	30/75	45/60	DC 500V	5.5	6	3	400-750V	≥8
3	6SS30/7-7.5	30/75	63/85	DC 500V	7.5	6	3	400-750V	≥11
4	6SS30/9-9.2	30/75	81/110	DC 500V	9.2	6	3	400-750V	≥13
5	6SS30/11-11	30/75	99/135	DC 500V	11	6	3	400-750V	≥16
6	6SS30/13-13	30/75	117/155	DC 500V	13	6	3	400-750V	≥18
7	6SS30/15-15	30/75	135/180	DC 500V	15	6	3	400-750V	≥21



4 Inch & 5 Inch





Free spare parts



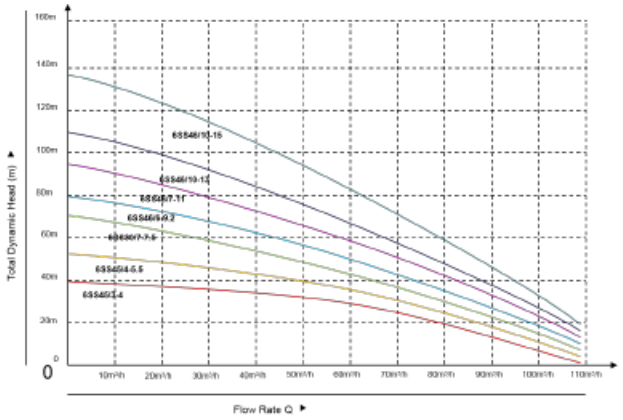
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(KW)
1	6SS45/3-4	45/115	29/40	DC 500V	4	6	3	400-750V	≥6
2	6SS45/4-5.5	45/115	38/55	DC 500V	5.5	6	3	400-750V	≥8
3	6SS46/5-7.5	45/115	48/70	DC 500V	7.5	6	3	400-750V	≥11
4	6SS46/6-9.2	45/115	57/80	DC 500V	9.2	6	3	400-750V	≥13
5	6SS46/7-11	45/115	67/95	DC 500V	11	6	3	400-750V	≥16
6	6SS46/10-13	45/115	76/110	DC 500V	13	6	3	400-750V	≥18
7	6SS46/10-15	45/115	95/135	DC 500V	15	6	3	400-750V	≥21



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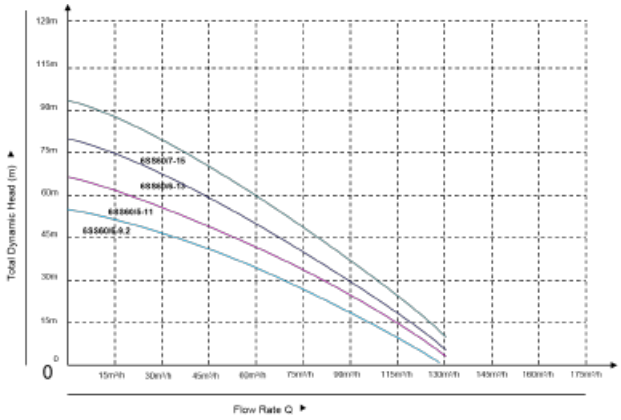
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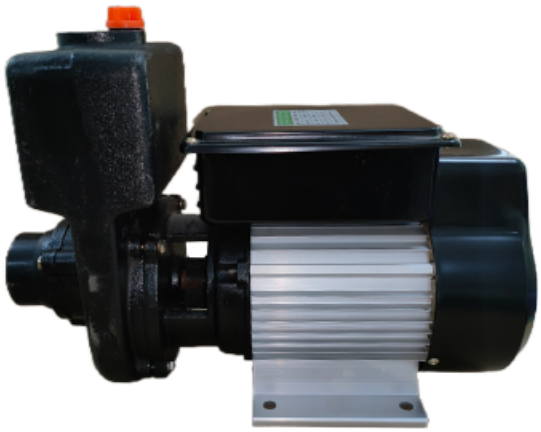
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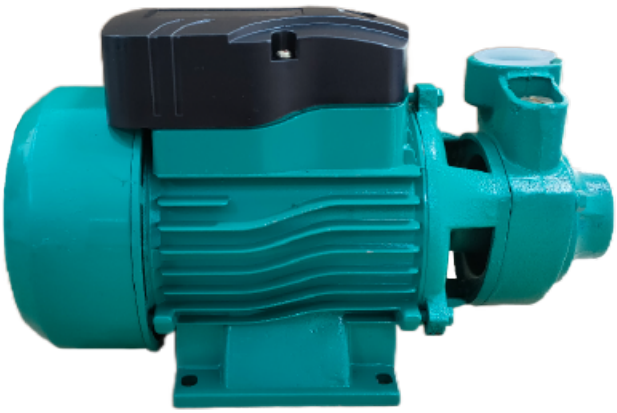
Curve



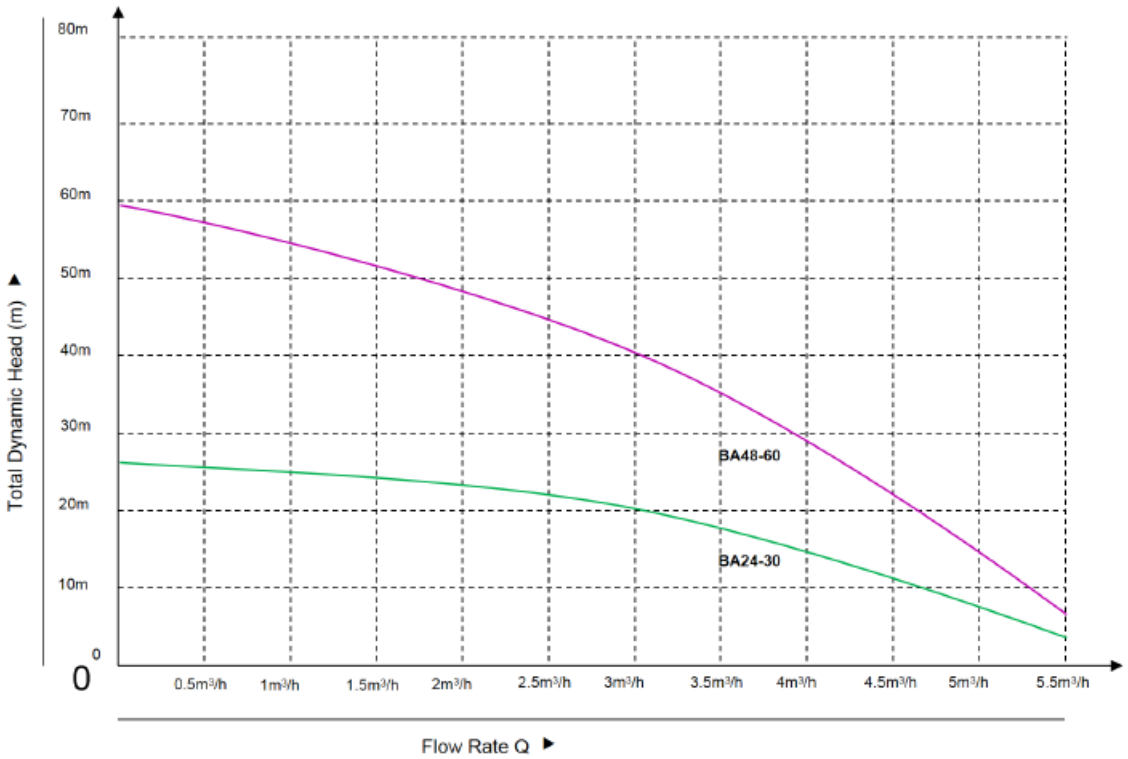
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				Voltage(V)	Power(KW)			VOC Range(V)	Power(KW)
1	6SS60/6-9.2	60/150	32/55	DC 500V	9.2	6	3	400-750V	≥13
2	6SS60/5-11	60/150	40/70	DC 500V	11	6	3	400-750V	≥16
3	6SS60/6-13	60/150	48/80	DC 500V	13	6	3	400-750V	≥18
4	6SS60/7-15	60/150	56/96	DC 500V	15	6	3	400-750V	≥21





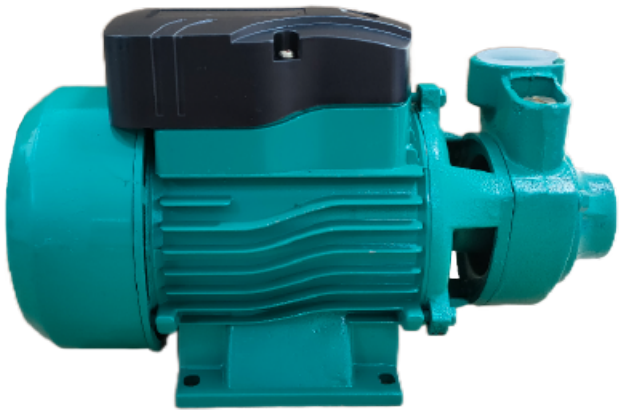
Curve



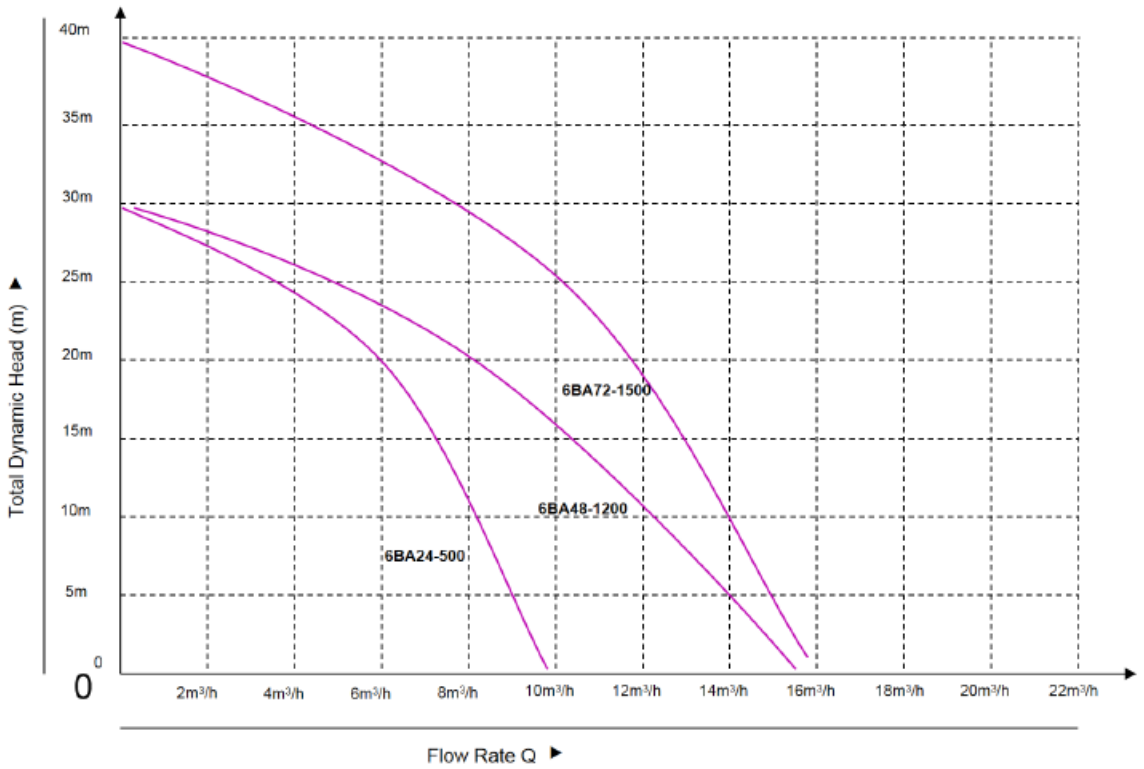
Technical data

Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Input Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
			Voltage(V)	Power(W)			VOC Range(V)	Power(W)
BA24-30	3/6	20/30	DC 24V	300	1	1	18-50V	≥400
BA48-60	3/6	40/60	DC 48V	300	1	1	36-90V	≥700





Curve



Technical data

Model	Rated/ Max Flow(m³/h)	Rated/ Max Head(m)	Pump		Input Dia (Inch)	Outlet Dia (Inch)	Solar Panels	
			Voltage(V)	Power(W)			VOC Range(V)	Power(W)
6BA24-500	4/8	20/30	DC 24V	500	2	2	18-50V	≥600
BA48-1200	8/15	20/30	DC 48V	1200	2	2	36-90V	≥1300
BA72-1500	10/15	25/40	DC 72V	1500	2	2	54-135V	≥1500