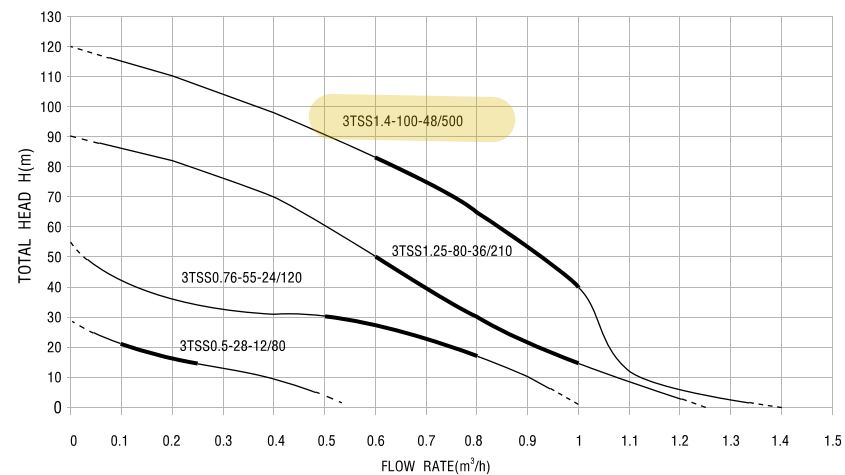
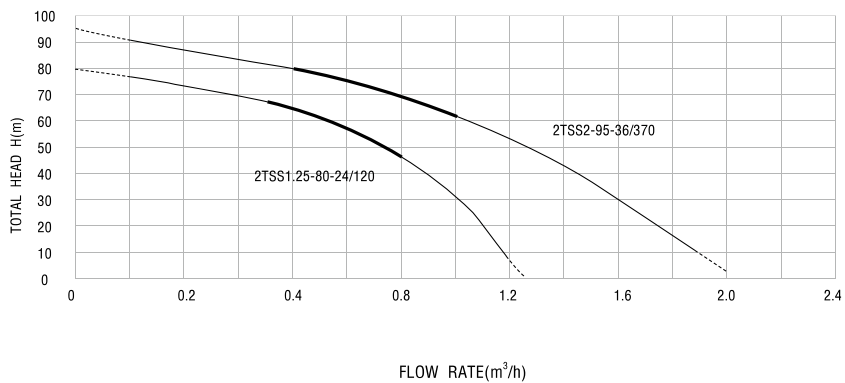


Performance Curve



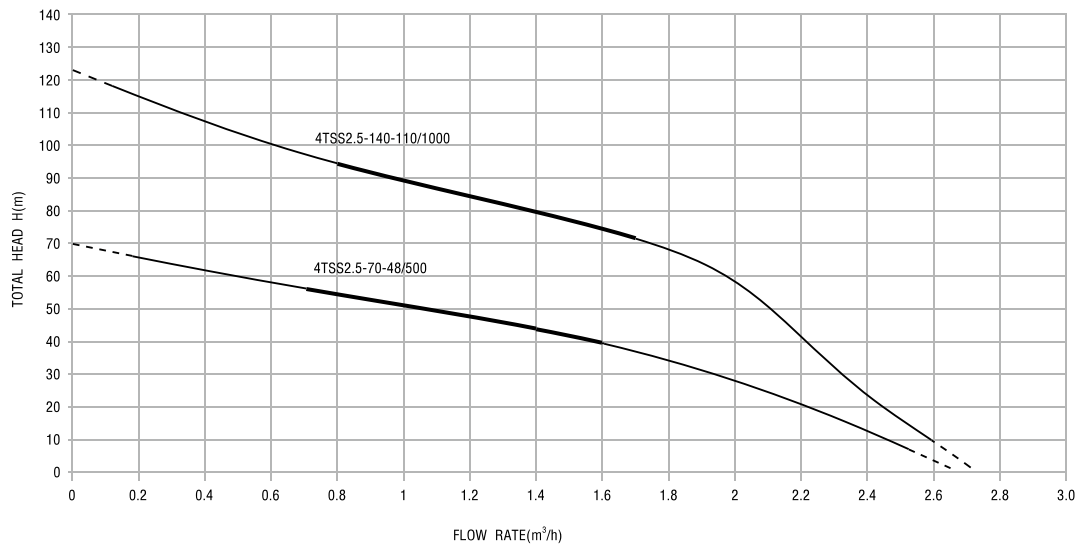
Performance Chart

Type	Q (m³/h)	0	0.2	0.4	0.8	1.2	1.6	2.0
2TSS1.25-80-24/250	H(m)	80	73	67	47	6		
2TSS2-95-36/370		95	88	80	68	55	30	4

Performance Chart

Type	Q (m³/h)	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1
3TSS0.5-28-12/80	H(m)	28	21	16	13	9	3						
3TSS0.76-55-24/120		55	41	35	33	31	30	25	22	15	10	1	
3TSS1.25-80-36/210		90	85	82	75	70	60	50	42	30	17	15	
3TSS1.4-100-48/500		120	115	110	105	98	90	82	75	65	55	40	12

Performance Curve



Performance Chart

Type	Q (m³/h)	0	0.4	0.8	1.2	1.6	2	2.4	2.6
4TSS2.5-70-48/500	H(m)	70	62	55	48	40	28	12	4
4TSS2.5-140-110/1000		125	108	95	85	75	58	24	8

Pump Performance

Type	Voltage (v)	Power (w)	Max Flow Rate (m³/h)	Max Head (m)	Outlet Size (In)	Diameter (In)
2TSS1.25-80-24/250	24	250	1.25	80	1/2"	2"
2TSS2-95-36/370	36	370	2	95	1/2"	2"
3TSS0.5-28-12/80	12	80	0.5	28	3/4"	3"
3TSS0.76-55-24/120	24	120	0.76	55	3/4"	3"
3TSS1.25-80-36/210	36	210	1.25	90	3/4"	3"
3TSS1.4-100-48/500	48	500	1.4	120	3/4"	3"
4TSS2.5-70-48/500	48	500	2.5	70	1"	4"
4TSS2.5-140-110/1000	110	1000	2.5	125	1"	4"

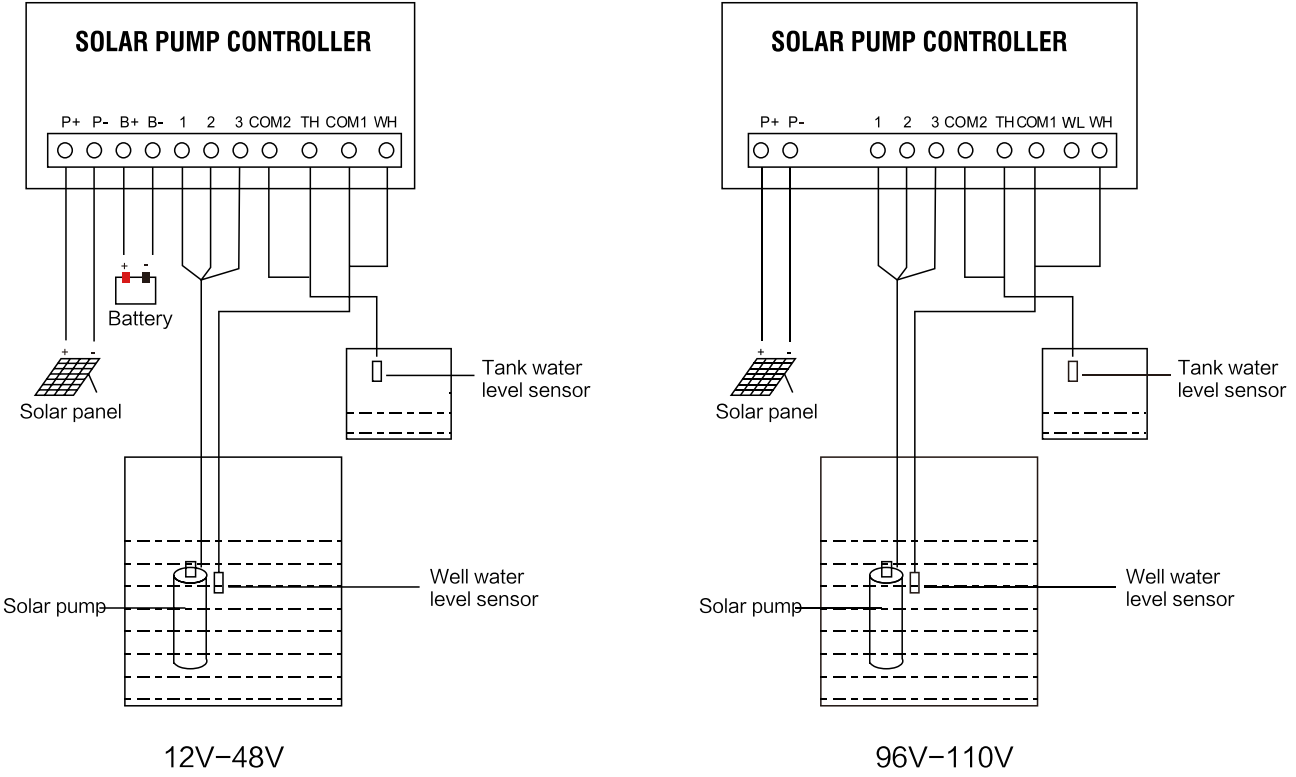
THE SELECTION OF SOLAR PANELS FOR SOLAR PUMPS(RECOMMENDED)

PUMP POWER (w)	SOLAR PANEL (w)	SOLAR PANEL QUANTITY	PEAK VOLTAGE VMP (v)	OPEN CIRCUIT VOLTAGE VOC (v)	PANEL CONNECTION
80	110	110W*1	17-18	21-22	
120	160	80W*2	17-18	21-22	2 Pieces in series connection directly
210	270	90W*3	17-18	21-22	3 Pieces in series connection directly
500	680	85W*8	17-18	21-22	each 4 Pieces in series connection, 2 groups in parallel connection
1000 (screw pump)	1400	100W*14	17-18	21-22	each 7 Pieces in series connection, 2 groups in parallel connection
1000 (plastic impeller & S/S impeller)	1600	100W*16	17-18	21-22	each 8 Pieces in series connection, 2 groups in parallel connection
1500	2300	230*10	30.5	36.8	each 5 Pieces in series connection, 2 groups in parallel connection
2200	3500	250*14	35	43	each 7 Pieces in series connection, 2 groups in parallel connection
3000	4500	250*18	35	43	each 9 Pieces in series connection, 2 groups in parallel connection

THE SELECTION OF SOLAR PANELS FOR SOLAR PUMPS

PUMP VOLTAGE (v)	SOLAR PANEL (w)	PEAK VOLTAGE VMP(v)	OPEN CIRCUIT VOLTAGE VOC(v)
12V	≥ 1.3XPUMP POWER	≥ 15	<50
24V	≥ 1.3XPUMP POWER	≥ 30	<50
36V	≥ 1.3XPUMP POWER	≥ 45	<100
48V	≥ 1.3XPUMP POWER	≥ 60	<100
110V	≥ 1.5XPUMP POWER	≥ 112	<200
150V	≥ 1.5XPUMP POWER	≥ 150	<250
220V	≥ 1.5XPUMP POWER	≥ 220	<350
300V	≥ 1.5XPUMP POWER	≥ 300	<450

The performance information on catalogue is the ex-works testing result for your reference.
The exact performance depends on actual situation like sunshine condition /solar panel specification/solar panel efficiency, etc...the performance difference is allowed.



WARNING

- 1.After the pump works 2minutes, the controller will automatically self-test about 30 seconds, and then the pump will restart, this is normal situation.
- 2.Note: If you want the battery fully charged, please choose the battery mode"II" and let the pump stop running at the same time. (There are 2 conditions that the pump will stop as following: 1>The tank was full. 2>Disconnect COM1 & WH terminal.)

WARNING The limited range for open circuit voltage of solar panel:

MODEL	RATED VOLTAGE	MAX OPEN CIRCUIT VOLTAGE	BATTERY	MAX LOADED CURRENT(A)
A	17.5V	30V	12V	12
B	24V	50V	24V	12
C	36V	80V	36V	12
D	48V	100V	48V	12