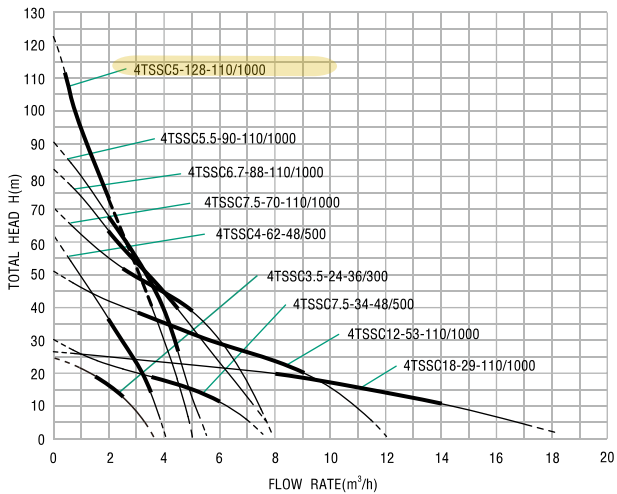


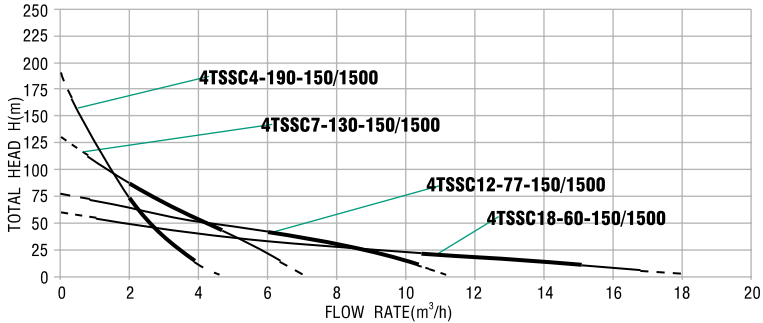
Performance Curve



Performance Chart

Type	Q (m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC3.5-24-36/300	H(m)	24	14								
4TSSC4-62-48/500		62	36	2							
4TSSC7.5-34-48/500		30	23	17	12						
4TSSC5-128-110/1000		123	65	2							
4TSSC5.5-90-110/1000		90	67	42							
4TSSC6.7-88-110/1000		82	63	46	23						
4TSSC7.5-70-110/1000		70	55	44	30						
4TSSC18-29-110/1000		29	26	23	21	20	18	13	11	7	3
4TSSC12-53-110/1000		53	43	35	28	25	16	2			

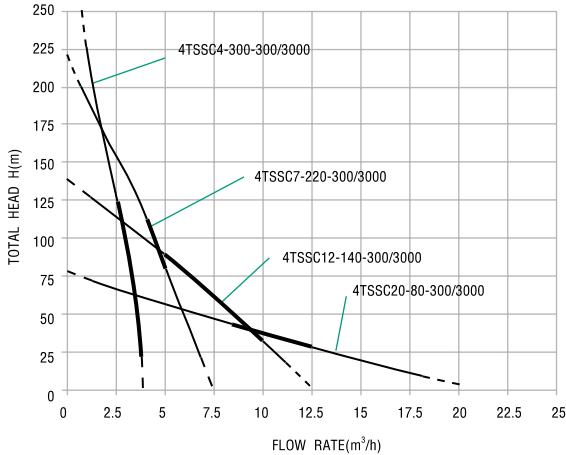
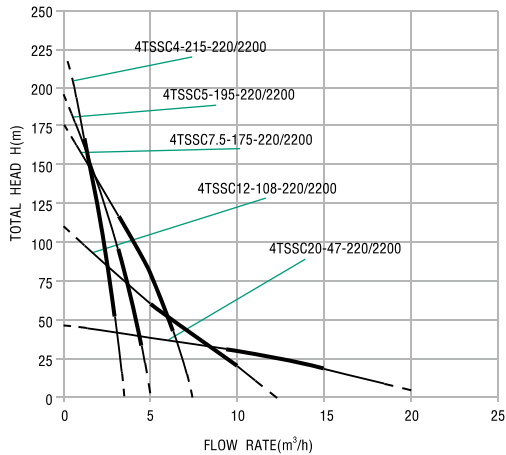
Performance Curve



Performance Chart

Type	Q (m³/h)	0	2	4	6	8	10	12	14	16	18
4TSSC4-190-150/1500	H(m)	190	73	10							
4TSSC7-130-150/1500		130	80	53	27						
4TSSC12-77-150/1500		77	65	52	38	30	15				
4TSSC18-60-150/1500		60	50	40	34	29	24	20	15	10	3

Performance Curve



Performance Chart

Type	Q (m³/h)	0	5	10	15	20	25
4TSSC4-215-220/2200	H(m)	215					
4TSSC5-195-220/2200		195	1				
4TSSC12-108-220/2200		108	60	22			
4TSSC7.5-175-220/2200		175	80				
4TSSC20-47-220/2200		47	40	32	20	5	

Performance Chart

Type	Q (m³/h)	0	2.5	5	7.5	10	12.5	15	17.5	20
4TSSC4-300-300/3000	H(m)	300	130							
4TSSC7-220-300/3000		220	155	89	3					
4TSSC12-140-300/3000		140	115	90	60	47	3			
4TSSC20-80-300/3000		80	70	57	47	37	30	22	12	5

Pump Performance

Type	Voltage (v)	Power (w)	Max Flow Rate (m³/h)	Max Head (m)	Outlet Size (In)	Diameter (In)
4TSSC3.5-24-36/300	36	300	3.5	24	1.25"	4"
4TSSC4-62-48/500	48	500	4	62	1.25"	4"
4TSSC7.5-34-48/500	48	500	7.5	30	1.25"	4"
4TSSC5-128-110/1000	110	1000	5	123	1.25"	4"
4TSSC5.5-90-110/1000	110	1000	5.5	90	1.25"	4"
4TSSC6.7-88-110/1000	110	1000	6.7	82	1.5"	4"
4TSSC7.5-70-110/1000	110	1000	7.5	70	1.5"	4"
4TSSC18-29-110/1000	110	1000	18	29	2"	4"
4TSSC12-53-110/1000	110	1000	12	53	2"	4"
4TSSC4-190-150/1500	150	1500	4	190	1.25"	4"
4TSSC7-130-150/1500	150	1500	7	130	1.5"	4"
4TSSC12-77-150/1500	150	1500	12	77	2"	4"
4TSSC18-60-150/1500	150	1500	18	60	2"	4"
4TSSC4-215-220/2200	220	2200	4	215	1.25"	4"
4TSSC5-195-220/2200	220	2200	5	195	1.25"	4"
4TSSC12-108-220/2200	220	2200	12	108	2"	4"
4TSSC7.5-175-220/2200	220	2200	7.5	175	1.5"	4"
4TSSC20-47-220/2200	220	2200	20	47	2"	4"
4TSSC4-300-300/3000	300	3000	4	300	1.25"	4"
4TSSC7-220-300/3000	300	3000	7	220	1.5"	4"
4TSSC12-140-300/3000	300	3000	12	140	2"	4"
4TSSC20-80-300/3000	300	3000	20	80	2"	4"



Motor filled with oil



36V/48V/110V Controller



150V/220V/300V Controller
AC Function Available

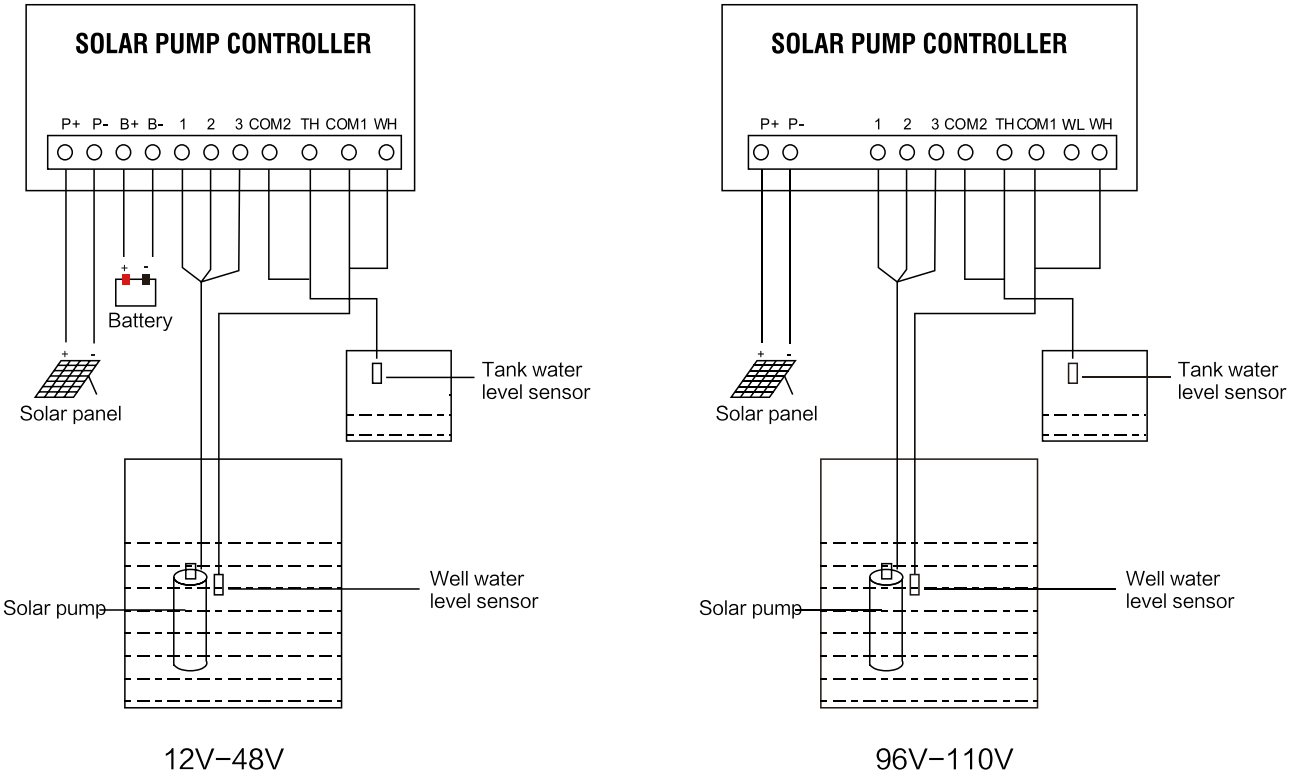
THE SELECTION OF SOLAR PANELS FOR SOLAR PUMPS(RECOMMENDED)

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