



DC Pumps

Solined DC Pumps

FEATURES

- Provides maximum water pumping capacity with low energy consumption.
- It has a soft-starter feature.
- It can work directly with solar panels due to the controller inside, it does not need an extra inverter.
- Does not require periodic maintenance.





MODEL	3TPS1.2-77-24-210								3TPS1.7-109-48-500							
Power (W)	210								500							
Voltage (V)	24								48							
Flow Rate (m ³ /h)	1.2								1.7							
Head (h)	77								109							
Outlet (Inch)	0.75								0.75							
Dimensions (mm)	540*320*135								540*320*135							
Weight (Kg)	10								10							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	1,29	1,20	1,00	0,80	0,60	0,41	0,21	0,00	1,64	1,60	1,40	1,20	1,00	0,8	0,4	0,00
Head (m)	1,11	10,19	26,00	32,43	37,83	44,57	49,36	77,00	0,91	25,29	52,52	74,76	83,02	92,20	107,60	117,49
Recommended Number of Panels	550*1 (SERIAL)								550*2 (SERIAL)							
Controller Model	TP-24								TP-48							

MODEL	3TPS2.0-150-48-750								3TPS2.0-150-72-750							
Power (W)	750								500							
Voltage (V)	48								48							
Flow Rate (m ³ /h)	2								1.7							
Head (h)	150								109							
Outlet (Inch)	0.75								0.75							
Dimensions (mm)	540*320*135								540*320*135							
Weight (Kg)	10								10							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	1,40	1,20	1,00	0,81	0,61	0,40	0,20	0,00	1,70	1,20	1,00	0,80	0,60	0,40	0,20	0,00
Head (m)	34,48	65,37	88,53	103,73	115,76	123,21	129,53	149,02	0,91	62,11	84,24	102,09	114,23	130,55	140,14	156,77
Recommended Number of Panels	550*2 (SERIAL)								550*3 (SERIAL)							
Controller Model	TP-48								TP-72							

MODEL	3TPPC3.8-80-48-60								3TPPC3.8-47-48-400							
Power (W)	600								400							
Voltage (V)	48								48							
Flow Rate (m ³ /h)	3.8								3.8							
Head (h)	80								47							
Outlet (Inch)	1.25								1.25							
Dimensions (mm)	1030*230*138								917*230*138							
Weight (Kg)	11.55								10							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	3,27	3,03	2,58	2,04	1,57	1,05	0,55	0,00	3,53	3,00	2,56	2,02	1,55	1,03	0,51	0,00
Head (m)	2,13	10,91	25,59	39,16	47,52	54,97	63,44	80,27	2,54	5,70	11,52	20,19	26,72	30,80	34,88	47,32
Recommended Number of Panels	550*2 (SERIAL)								550*2 (SERIAL)							
Controller Model	TP-48								TP-48							



MODEL	3TPPC3.8-80-72-600									3TPPC3.8-95-48-750								
Power (W)	600									750								
Voltage (V)	72									48								
Flow Rate (m ³ /h)	3.8									3.8								
Head (h)	80									95								
Outlet (Inch)	1.25									1.25								
Dimensions (mm)	1030*230*138									1030*230*138								
Weight (Kg)	12.3									12								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	3,35	3,04	2,55	2,04	1,50	1,07	0,51	0,00	3,51	3,04	2,55	2,06	1,52	1,05	0,51	0,00		
Head (m)	2,44	13,86	29,16	41,40	52,32	59,46	65,48	80,16	2,44	13,86	29,16	41,40	52,32	59,46	65,48	80,16		
Recommended Number of Panels	550*3 (SERIAL)									550*2 (SERIAL)								
Controller Model	TP-72									TP-48								

MODEL	3TPPC3.8-95-72-750									3TPPC3.8-123-72-1100								
Power (W)	750									1100								
Voltage (V)	72									72								
Flow Rate (m ³ /h)	3.8									3.8								
Head (h)	95									123								
Outlet (Inch)	1.25									1.25								
Dimensions (mm)	1030*230*138									1030*230*138								
Weight (Kg)	12.45									12								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	3,52	3,02	2,55	2,06	1,55	1,04	0,50	0,00	3,90	3,52	3,03	2,51	2,01	1,50	1,02	0,00		
Head (m)	4,17	22,74	39,57	53,03	64,25	73,94	78,94	95,36	2,95	23,55	45,18	63,23	80,27	94,44	102,40	123,11		
Recommended Number of Panels	550*3 (SERIAL)									550*3 (SERIAL)								
Controller Model	TP-72									TP-72								

MODEL	3TPPC3.8-123-96-1100									3TPPC3.8-155-96-1300								
Power (W)	1100									1300								
Voltage (V)	96									96								
Flow Rate (m ³ /h)	3.8									3.8								
Head (h)	123									155								
Outlet (Inch)	1.25									1.25								
Dimensions (mm)	1030*230*138									1168*230*138								
Weight (Kg)	12									12.7								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	3,68	3,06	2,41	1,81	1,21	0,60	0,32	0,00	3,86	3,65	3,20	2,87	1,60	1,22	0,45	0,00		
Head (m)	3,05	35,39	56,81	76,39	92,30	102,60	108,40	126,02	3,15	24,78	49,05	67,01	117,19	130,14	144,42	154,52		
Recommended Number of Panels	550*3 (SERIAL)									550*3 (SERIAL)								
Controller Model	TP-96									TP-96								



MODEL	3TPPC3.8-180-96-1500									3TPPC8-62-96-1100							
Power (W)	1500									1100							
Voltage (V)	96									96							
Flow Rate (m ³ /h)	3.8									8							
Head (h)	180									62							
Outlet (Inch)	1.25									1.25							
Dimensions (mm)	1265*228*135									1030*230*138							
Weight (Kg)	14									12							
Warranty (Year)	2									2							
Flow Rate (m ³ /h)	3,97	3,55	3,05	2,52	2,07	1,10	0,51	0,00	7,52	6,00	5,01	4,01	3,00	2,00	1,01	0,00	
Head (h)	3,66	35,59	55,89	84,45	110,46	141,16	153,91	164,01	8,46	22,43	33,65	42,53	49,97	57,42	61,91	62,11	
Recommended Number of Panels	550*4 (SERIAL)									550*3 (SERIAL)							
Controller Model	TP-96									TP-96							

MODEL	3TPPC3.8-90-96-1500									4TPPC6-56-48-750							
Power (W)	750									1100							
Voltage (V)	72									72							
Flow Rate (m ³ /h)	3.8									3.8							
Head (h)	95									123							
Outlet (Inch)	1.25									1.25							
Dimensions (mm)	1030*230*138									1030*230*138							
Weight (Kg)	12.45									12							
Warranty (Year)	2									2							
Flow Rate (m ³ /h)	7,48	6,07	5,00	4,07	3,02	2,03	1,00	0,00	6,01	5,53	4,56	4,07	3,06	2,03	1,09	0,00	
Head (h)	2,75	32,74	50,08	62,63	75,79	85,48	91,29	91,59	7,03	10,6	20,19	23,55	30,39	37,22	42,22	54,04	
Recommended Number of Panels	550*3 (SERIAL)									550*3 (SERIAL)							
Controller Model	TP-72									TP-72							

MODEL	4TPPC6-56-72-750									3TPPC6-84-96-1100							
Power (W)	1100									1300							
Voltage (V)	96									96							
Flow Rate (m ³ /h)	3.8									3.8							
Head (h)	123									155							
Outlet (Inch)	1.25									1.25							
Dimensions (mm)	1030*230*138									1168*230*138							
Weight (Kg)	12									12.7							
Warranty (Year)	2									2							
Flow Rate (m ³ /h)	6,23	5,53	4,54	3,54	2,53	1,51	1,04	0,00	5,8	5,02	4,04	3,09	2,53	1,53	1,00	0,00	
Head (h)	7,13	14,58	23,25	31,00	38,24	44,87	47,22	56,30	6,5	33,24	55,79	68,84	73,43	79,35	81,9	84,02	
Recommended Number of Panels	550*3 (SERIAL)									550*3 (SERIAL)							
Controller Model	TP-96									TP-96							



MODEL	3TPPC6-125-96-1500									4TPPC6.5-86-72-1100								
Power (W)	1500									1100								
Voltage (V)	96									72								
Flow Rate (m ³ /h)	6									6.5								
Head (h)	125									86								
Outlet (Inch)	1.25									1.25								
Dimensions (mm)	1168*230*138									970*230*138								
Weight (Kg)	13									13								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	5,7	4,51	4,00	3,50	2,50	1,53	0,53	0,00	6,66	5,53	4,52	4,08	3,50	2,51	1,58	0,00		
Head (h)	7,95	50,07	61,91	73,94	92,30	109,95	123,62	123,92	8,56	27,84	39,98	45,59	52,22	64,97	73,94	84,24		
Recommended Number of Panels	550*4 (SERIAL)									550*3 (SERIAL)								
Controller Model	TP-96									TP-72								

MODEL	4TPPC6.5-112-96-1300									4TPPC6.5-135-96-1500								
Power (W)	1300									1500								
Voltage (V)	96									96								
Flow Rate (m ³ /h)	6.5									6.5								
Head (h)	112									135								
Outlet (Inch)	1.25									1.25								
Dimensions (mm)	1030*230*138									1100*230*138								
Weight (Kg)	14.4									14.5								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	6,62	5,57	4,58	3,59	2,55	2,09	1,03	0,00	6,62	5,57	5,04	4,03	3,07	2,09	1,03	0,00		
Head (h)	1,01	26,72	47,12	67,82	85,57	94,44	107,91	115,65	1,01	26,72	39,47	58,74	79,25	94,44	107,91	115,65		
Recommended Number of Panels	550*4 (SERIAL)									550*4 (SERIAL)								
Controller Model	TP-96									TP-96								

MODEL	4TPPC9-85-96-1500									4TPPC13-60-96-1500								
Power (W)	1500									1500								
Voltage (V)	96									96								
Flow Rate (m ³ /h)	9									13								
Head (h)	85									60								
Outlet (Inch)	2									2								
Dimensions (mm)	970*230*138									970*230*138								
Weight (Kg)	14									13.5								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	9,07	8,07	7,01	6,07	4,05	2,08	1,02	0,00	12,97	11,02	9,00	7,08	5,07	3,02	1,02	0,00		
Head (h)	1,01	16,72	28,45	39,77	61,50	75,68	77,82	86,63	1,62	18,25	29,57	39,06	47,42	53,24	58,34	61,32		
Recommended Number of Panels	550*4 (SERIAL)									550*4 (SERIAL)								
Controller Model	TP-96									TP-96								



MODEL	4TPLR12-100-96-1500									4TPLR16-60-96-1500								
Power (W)	1500									1500								
Voltage (V)	96									96								
Flow Rate (m ³ /h)	12									16								
Head (h)	100									60								
Outlet (Inch)	2									2								
Dimensions (mm)	1030*230*138									1030*230*138								
Weight (Kg)	14.5									14								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	11,35	10,08	8,06	6,02	5,09	3,01	2,00	0,00		15,42	12,00	10,09	8,00	6,01	4,08	2,04	0,00	
Head (h)	1,62	14,27	32,12	47,32	54,15	67,82	76,90	100,56		2,24	18,96	26,72	33,24	41,00	48,34	57,72	62,01	
Recommended Number of Panels	550*4 (SERIAL)									550*4 (SERIAL)								
Controller Model	TP-96									TP-96								

MODEL	4TPLR17-95-200-2200-A/D									4TPLR22-70-200-2200-A/D								
Power (W)	2200									2200								
Voltage (V)	200									200								
Flow Rate (m ³ /h)	17									22								
Head (h)	95									70								
Outlet (Inch)	2									2								
Dimensions (mm)	1150*260*145									1190*260*145								
Weight (Kg)	16									15.5								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	16,48	13,01	11,40	9,86	7,40	4,35	1,05	0,00		22,35	18,00	14,03	10,05	8,01	6,02	4,00	0,00	
Head (h)	3,05	20,39	32,53	45,08	52,73	61,80	88,32	96,28		3,37	21,21	32,94	45,59	45,96	55,58	60,48	70,58	
Recommended Number of Panels	550*5 (SERIAL)									550*5 (SERIAL)								
Controller Model	TP-200-A/D									TP-200-A/D								

MODEL	4TPPC9.5-125-200-2200-A/D									4TPPC14-125-200-2200-A/D								
Power (W)	2200									2200								
Voltage (V)	200									200								
Flow Rate (m ³ /h)	9.5									14								
Head (h)	125									125								
Outlet (Inch)	2									2								
Dimensions (mm)	1130*260*145									1260*260*145								
Weight (Kg)	16									17								
Warranty (Year)	2									2								
Flow Rate (m ³ /h)	10,09	8,04	7,00	5,00	4,03	2,00	1,04	0,00		13,91	12,15	10,00	8,03	6,05	4,06	2,01	0,00	
Head (h)	3,97	40,79	56,5	88,43	103,73	107,91	114,03	119,43		0,61	14,79	36,62	56,81	72,01	87,31	110,16	125,15	
Recommended Number of Panels	550*5 (SERIAL)									550*5 (SERIAL)								
Controller Model	TP-200-A/D									TP-200-A/D								



MODEL	4TPPC18-140-300-4000-A/D								4TPPC22-98-300-4000-A/D							
Power (W)	4000								4000							
Voltage (V)	300								300							
Flow Rate (m ³ /h)	18								22							
Head (h)	140								98							
Outlet (Inch)	2								2							
Dimensions (mm)	1280*140*140								1170*140*140							
Weight (Kg)	15.5								15.5							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	18,06	16,11	14,03	10,08	8,01	6,01	4,02	0,00	23,45	18,06	16,01	12,02	8,03	4,01	2,02	0,00
Head (h)	2,85	28,45	50,69	80,67	94,85	107,4	129,42	140,24	4,68	37,63	45,90	62,62	76,70	91,28	96,08	98,93
Recommended Number of Panels	550*8 (SERIAL)								550*8 (SERIAL)							
Controller Model	TP-300-A/D								TP-300-A/D							

MODEL	4/6TPSC30-100-300-4000-A/D								4/6TPSC36-80-300-4000-A/D							
Power (W)	4000								4000							
Voltage (V)	300								300							
Flow Rate (m ³ /h)	30								36							
Head (h)	100								80							
Outlet (Inch)	3								3							
Dimensions (mm)	1020*155*155								970*155*155							
Weight (Kg)	26								29							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	33,53	30,02	25,11	20,09	15,06	10,08	5,00	0,00	38,48	30,71	25,16	20,03	15,20	10,21	5,17	0,00
Head (h)	0,61	13,57	25,81	37,84	49,98	62,83	74,66	102,10	0,61	18,16	28,46	38,15	45,39	54,77	63,85	81,29
Recommended Number of Panels	550*8 (SERIAL)								550*8 (SERIAL)							
Controller Model	TP-300-A/D								TP-300-A/D							

MODEL	3DPC3.8-123-110-1100								3DPC3.8-155-110-1300							
Power (W)	1100								1300							
Voltage (V)	110								110							
Flow Rate (m ³ /h)	3.8								3.8							
Head (h)	123								155							
Outlet (Inch)	1.25								1.25							
Dimensions (mm)	1100*230*138								1168*230*138							
Weight (Kg)	12.85								13							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	3,68	3,06	2,73	2,11	1,53	1,21	0,60	0,00	3,86	3,20	2,87	2,41	2,03	1,22	0,82	0,00
Head (h)	3,05	35,39	47,12	65,88	82,92	92,30	102,60	126,00	3,15	49,05	67,01	85,16	100,67	130,14	133,61	154,52
Recommended Number of Panels	550*3 (SERIAL)								550*3 (SERIAL)							
Controller Model	TP-110-A/D								TP-110-A/D							



MODEL	3DPC3.8-180-110-1300								4DPC6.5-86-110-1100							
Power (W)	1300								1100							
Voltage (V)	110								110							
Flow Rate (m ³ /h)	3.8								6.5							
Head (h)	180								86							
Outlet (Inch)	1.25								1.25							
Dimensions (mm)	1265*228*138								970*230*138							
Weight (Kg)	14								14.4							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	3,97	3,55	3,05	2,52	1,53	1,01	0,51	0,00	6,66	5,53	4,52	3,50	2,51	1,58	0,57	0,00
Head (h)	3,66	35,59	55,89	84,45	128,92	141,16	153,91	164,00	8,56	27,84	39,98	52,22	64,97	73,94	80,47	84,24
Recommended Number of Panels	550*4 (SERIAL)								550*3 (SERIAL)							
Controller Model	TP-110-A/D								TP-110-A/D							

MODEL	4DPC6.5-112-110-1300								4DPC6.5-135-110-1500							
Power (W)	1300								1500							
Voltage (V)	110								110							
Flow Rate (m ³ /h)	6.5								6.5							
Head (h)	112								135							
Outlet (Inch)	1.25								1.25							
Dimensions (mm)	1030*230*138								1100*230*138							
Weight (Kg)	15								15.75							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	6,76	5,54	4,55	3,50	2,52	1,52	0,52	0,00	6,62	5,57	4,58	3,59	2,55	1,58	0,56	0,00
Head (h)	8,25	36,00	54,05	73,13	89,55	101,07	113,38	112,40	1,01	26,72	47,12	67,82	85,57	101,99	113,62	123,41
Recommended Number of Panels	550*3 (SERIAL)								550*4 (SERIAL)							
Controller Model	TP-110-A/D								TP-110-A/D							

MODEL	4TPSC6-360-380/520-4000-A/D								4TPSC18-168-380/520-4000-A/D							
Power (W)	4000								4000							
Voltage (V)	AC380/DC520V								AC380/DC520V							
Flow Rate (m ³ /h)	6								135							
Head (h)	360								168							
Outlet (Inch)	1.25								2							
Dimensions (mm)	1500*260*145								1620*260*145							
Weight (Kg)	20								21							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	6,03	5,5	5,05	4,01	3,01	2,08	1	0,00	18,2	16,02	14,07	12,18	8	6,02	02,07	0,00
Head (h)	1,43	45,49	97,10	164,6	236,6	297,13	336,09	376,89	0,2	23,05	42,02	56	90,47	110,26	162,47	167,28
Recommended Number of Panels	550*13 (SERIAL)								550*13 (SERIAL)							
Controller Model	TP-520-A/D								TP-520-A/D							



MODEL	4DSC18-200-380/520-5500-A/D								4DSC18-235-380/520-7500-A/D							
Power (W)	5500								7500							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	18								18							
Head (h)	200								235							
Outlet (Inch)	2								2							
Dimensions (mm)	1640*140*140								1700*140*140							
Weight (Kg)	25,5								28,6							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	18,6	16,19	14,11	12,07	08,08	6	2,29	0,00	18,5	18,01	14,05	12,19	8,22	6,04	2,02	0,00
Head (h)	0,61	41,72	59,67	76,91	120,8	141,47	190,13	198,47	0	13,26	89,76	112,9	169,73	205,02	227,18	232,64
Recommended Number of Panels	550*13 (SERIAL)								550*15 (SERIAL)							
Controller Model	TP-520-A/D								TP-520-A/D							

MODEL	4DSC30-155-380/520-7500-A/D								4/6DSC36-145-380/520-7500-A/D							
Power (W)	7500								7500							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	30								36							
Head (h)	155								145							
Outlet (Inch)	2								3							
Dimensions (mm)	1470*140*140								1320*155*145							
Weight (Kg)	26,8								27,6							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	30,02	27,01	21,07	18,01	12,03	9,01	3,03	0,00	40,01	35,08	30,08	25,05	17,09	10	5,02	0,00
Head (h)	10,2	30,49	74,76	89,14	121,6	134,94	152,58	155,54	0,4	28,86	45,89	60,89	85,16	106,79	130,86	149,63
Recommended Number of Panels	550*15 (SERIAL)								550*15 (SERIAL)							
Controller Model	TP-520-A/D								TP-520-A/D							

MODEL	4/6DSC46-112-380/520-7500-A/D								4/6DSC95-66-380/520-7500-A/D							
Power (W)	7500								7500							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	46								95							
Head (h)	112								66							
Outlet (Inch)	3								4							
Dimensions (mm)	1170*155*145								1300*170*160							
Weight (Kg)	25,6								28,5							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	48	45	40,01	30,1	20,05	10,03	5,04	0,00	92,9	80,91	60,28	46,26	30,44	20,28	10,01	0,00
Head (h)	0,1	12,65	29,89	56,71	80,07	97,41	102,71	112,1	0,4	15,29	32,02	41,81	54,46	60,99	67,01	72,41
Recommended Number of Panels	550*15 (SERIAL)								550*15 (SERIAL)							
Controller Model	TP-520-A/D								TP-520-A/D							



MODEL	6DSC36-108-380/520-5500- A/D								6DSC36-145-380/520-7500-A/D							
Power (W)	5500								7500							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	36								36							
Head (h)	108								145							
Outlet (Inch)	3								3							
Dimensions (mm)	1160*210*190								1260*210*190							
Weight (Kg)	37								41,5							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	38	35,29	30,08	25,1	20,06	10,02	5,13	0,00	39,4	35,11	30,03	25,03	20,05	10,05	5,03	0,00
Head (h)	2,13	14,17	29,06	41,10	53,24	75,47	94,34	106,68	2,44	25,08	42,53	57,32	73,94	103,62	119,74	147,59
Recommended Number of Panels	550*13 (SERIAL)								550*15 (SERIAL)							
Controller Model	TP-520-A/D								TP-520-A/D							

MODEL	6DSC46-135-380/520-9200-A/D								6DSC46-160-380/520-11000-A/D							
Power (W)	9200								1100							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	46								46							
Head (h)	135								160							
Outlet (Inch)	3								3							
Dimensions (mm)	1320*210*190								1340*210*210							
Weight (Kg)	45,5								47,8							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	47	40,14	35,06	30,11	20,30	10,02	50,8	0,00	48,1	45,05	40,1	35,15	25,02	15,16	5,17	0,00
Head (h)	0,1	32,44	47,02	61,51	88,23	115,75	125,05	135,05	0,1	19,79	47,12	66,81	97	131,68	146,06	160,04
Recommended Number of Panels	550*26 (13 SERIAL 2 GROUP PARALLEL)								550*26 (13 SERIAL 2 GROUP PARALLEL)							
Controller Model	TP-520-A/D								TP-520-A/D							

MODEL	6DSC65-100-380/520-9200- A/D								6DSC95-126-380/520-15000- A/D							
Power (W)	9200								15000							
Voltage (V)	AC380V/DC520V								AC380V/DC520V							
Flow Rate (m ³ /h)	65								95							
Head (h)	100								126							
Outlet (Inch)	4								4							
Dimensions (mm)	1520*210*190								1670*210*190							
Weight (Kg)	51,2								62,1							
Warranty (Year)	2								2							
Flow Rate (m ³ /h)	64,2	60,37	50,24	40,07	30,29	20,15	10,01	0,00	93,3	90,27	80,41	60,17	40,05	20,03	10,35	0,00
Head (h)	4,89	14,68	35,79	51,81	66,29	81,39	95,97	106,58	2,45	8,06	25,28	58,25	84,25	110,06	120,46	126,171
Recommended Number of Panels	550*26 (13 SERIAL 2 GROUP PARALLEL)								550*39 (13 SERIAL 3 GROUP PARALLEL)							
Controller Model	TP-520-A/D								TP-520-A/D							



CONTROLLER DATASHEET

Controller Model	Compatible Pump	Max. Input Current (A)	Max. Open Circuit Voltage (V)	Optimum MPPT Voltage Range (V)	Operating Temperature (°C)
TP-24	24V Pumps	17	<50	30-48	-15 / 60
TP-48	48V Pumps	17	<100	60-90	-15 / 60
TP-72	72V Pumps	17	<150	90-120	-15 / 60
TP-96	96V Pumps	17	<200	110-150	-15 / 60
TP-110-A/D	110V A/D Pumps	17	<430	110-350	-15 / 60
TP-200-A/D	200V A/D Pumps	17	<430	200-350	-15 / 60
TP-300-A/D	300V A/D Pumps	17	<430	200-350	-15 / 60
TP-520-AVD	520V A/D Pumps	17-56	<780	520-650	-15 / 60