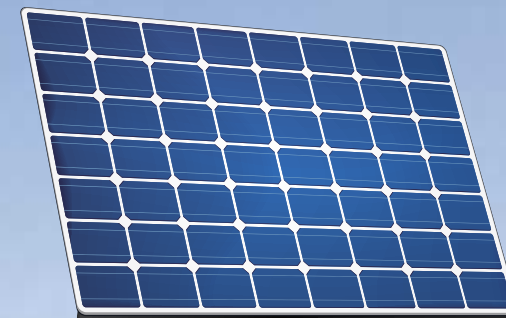


605117
STOCK CODE

Deye

SOLAR WATER PUMP

PRODUCT SPECIFICATION SHEET



- 0.4-3.0Kw Submersible Solar Pump
- 0.6-3.0Kw Surface Solar Pump
- 1.1-2.2Kw Swimming Pool Solar Pump
- 5.5-13Kw High Speed Submersible Solar Pump

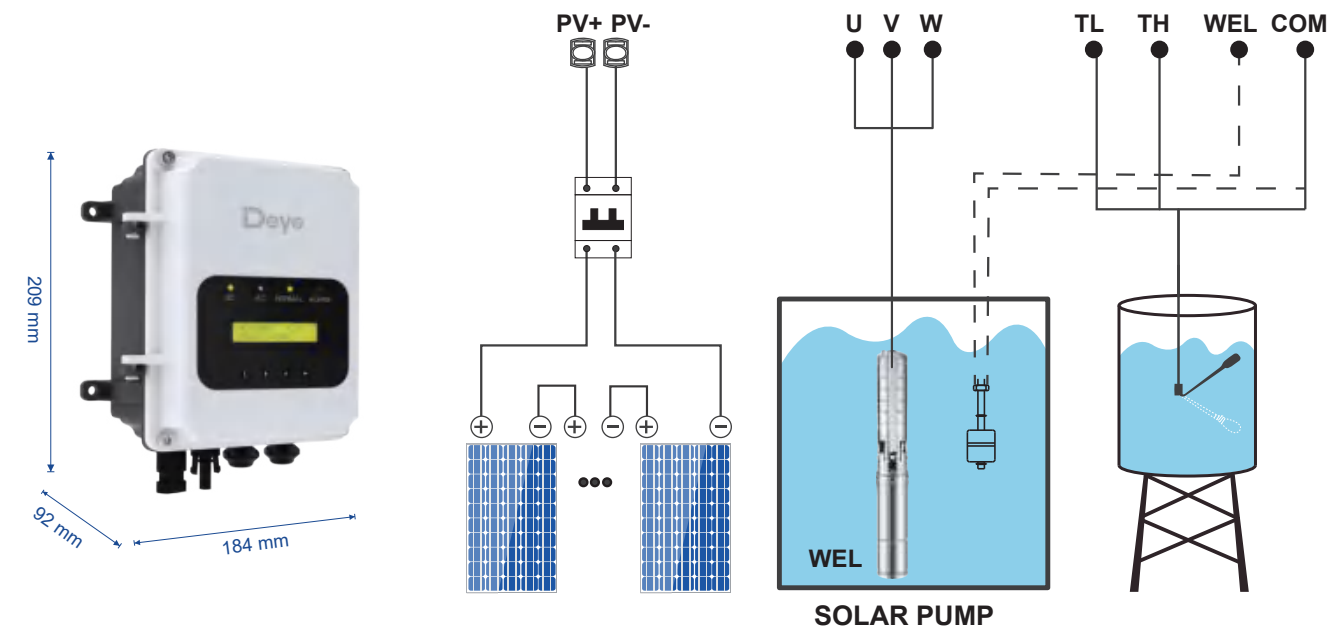




Controller Model	Pump Power (W)	DC Voltage Input Range (V)	Maximum DC Input Current (A)	Maximum DC Power Input (W)	Optimum Input Voltage (V)	IP Rating	Operating Temperature Range (°C)	Net Weight (kg)
DY-(X)900DC	400	30-125	18	600	60-100	IP65	-15 ~ 60	1.5
	600			900	60-100			
DY-(X)2000DC	800	60-225		1200	90-160			
	1100			1700	130-200			
	1500			2050	160-220			

Note: (X) Xmeans D/L/B/H etc

DC Controller and Pump Wiring Diagram



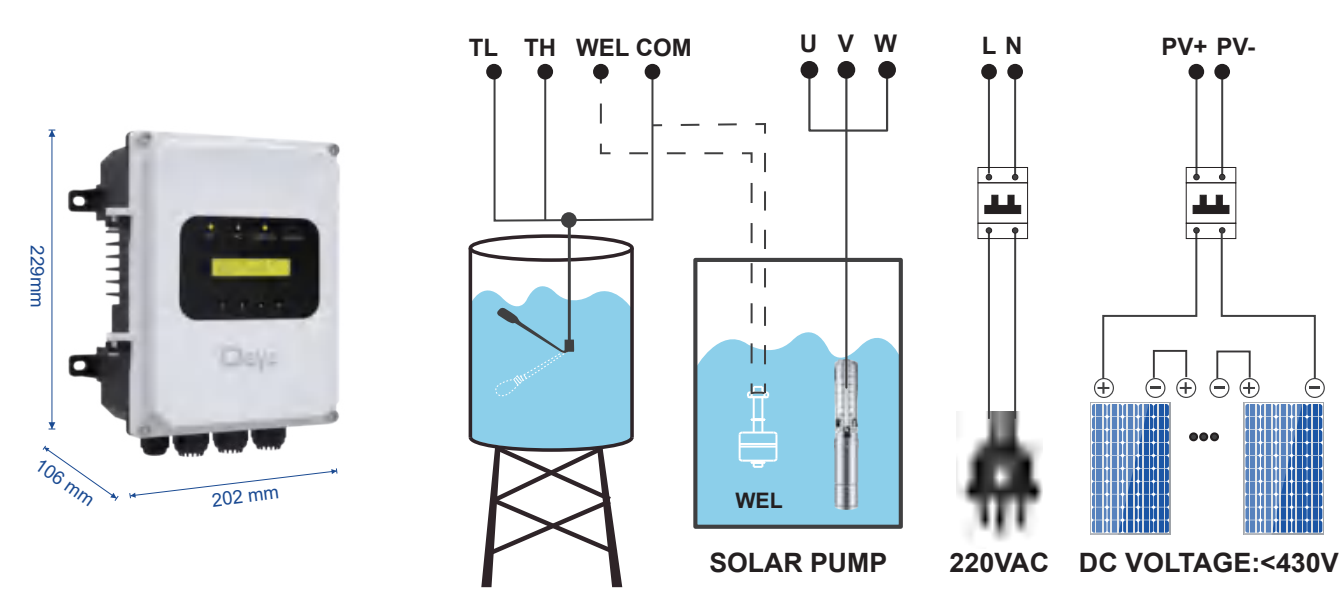
Technical Characteristics

- Solar Pure**
Solar pure DC input.
- Controller**
Working environment humidity 30% -90%
- Water Shortage Protection**
Direct current reverse protection and indicator light reminder.
- DC Reverse Connection Protection**
Connection protection and indicator light reminder
- Permanent Magnet Synchronous Motor**
Position-free on field-oriented control
- Maximum Input**
Maximum input current 18A
- Automatic Shutdown**
Automatic shutdown when the water tank is full
- Timed Detection**
Regular incoming water detection
- Solar MPPT**
MPPT tracking technology
- Six Protection Functions**
Over/under voltage, over current, phase loss, short circuit, anti-reverse connection, high temperature

Controller Model	Pump Power (W)	DC Voltage Input Range (V)	Maximum DC Input Current (A)	AC Voltage Input Range (V)	Maximum AC Input Current (A)	Maximum Power Input (W)	Optimum Input Voltage (V)	Operation Mode	IP Rating	Operating Temperature Range (°C)	Net Weight (kg)
[Auto-switch] DY-(X)3600AC/DC	800	80-430	20	136-264	24	1200	90-400	AC/DC Switching	IP65	-15 ~ 60	2.6
	1100					1700	130-400				
	1500					2050	160-400				
	2200					2850	220-400				
	3000					3600	280-400				

Note: (X) Xmeans D/L/B/H etc

Auto-switch AC/DC Controller and Pump Wiring Diagram



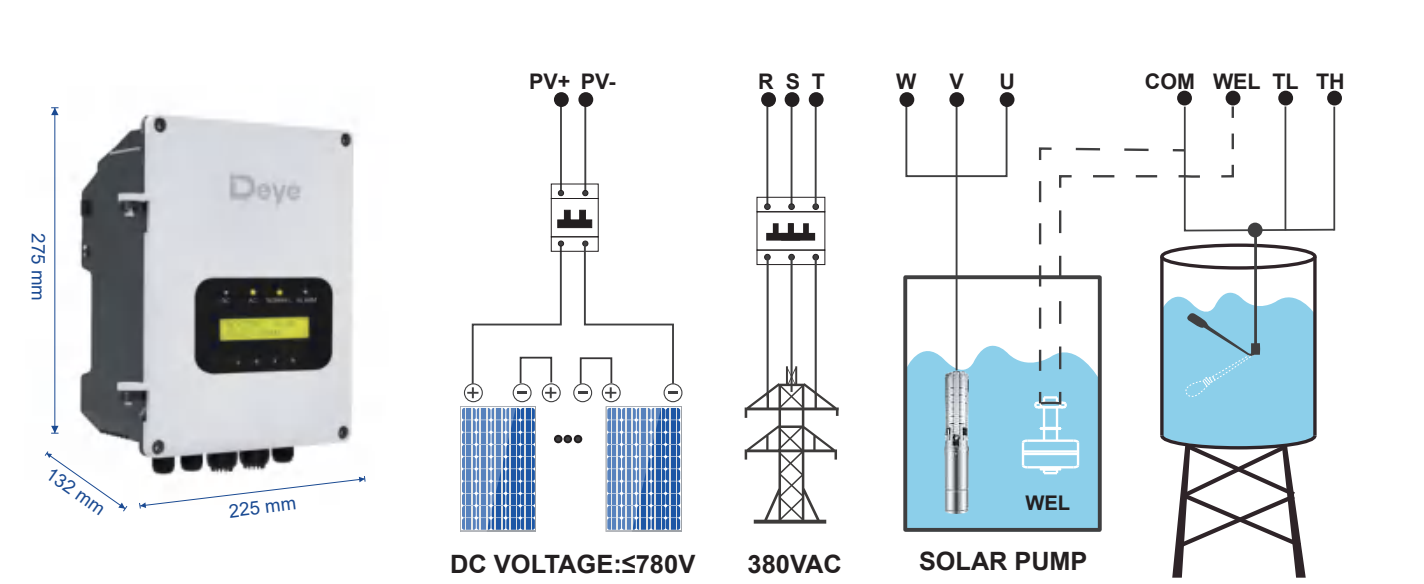
Technical Characteristics

- Control Chip**
Imported main control chip
- Permanent Magnet Synchronous Motor**
Position-free on field-oriented control
- Solar Power Input**
Prioritize solar power
- Real-Time Data Model**
Real-time data monitoring, optimizing the system
- Smart 7/24 Timer**
Automation and energy saving
- Intelligent Protection on Motor Drive**
Never-burn machine
- Wide Voltage Input**
80~430V DC, 136~264V AC
- Solar MPPT**
MPPT tracking technology
- Error Code Memory**
Error reporting, storing fault code history, simplifying troubleshooting
- Liquid Crystal Display**
Enhanced user convenience and experience

Controller Model	Pump Power (W)	DC Voltage Input Range (V)	Maximum DC Input Current (A)	AC Voltage Input Range (V)	Maximum AC Input Current (A)	Maximum Input Power (W)	Operation Mode	IP Rating	Operating Temperature Range (°C)	Net Weight (kg)
[Auto-switch] DY-(X)13600AC/DC	5500	200-780	17-32	280-528	28	5800	AC/DC Switching	IP65	-15 ~ 60	4.2
	7500					7500				
	9200					9200				
	11000					11300				
	13000					13600				

Note: (X) Xmeans D/L/B/H etc

Auto-switch AC/DC Controller and Pump Wiring Diagram



Technical Characteristics

- 

Control Chip
Imported main control chip.
- 

Intelligent Protection on Motor Drive
Never-burn machine
- 

Permanent Magnet Synchronous Motor
Position-free on field-oriented control
- 

Wide Voltage Input
200~780V DC, 280~528V AC
- 

Solar Power Input
Prioritize solar power
- 

Solar MPPT
MPPT tracking technology
- 

Real-Time Data Model
Real-time data monitoring, optimizing the system
- 

Error Code Memory
Error reporting, storing fault code history, simplifying troubleshooting
- 

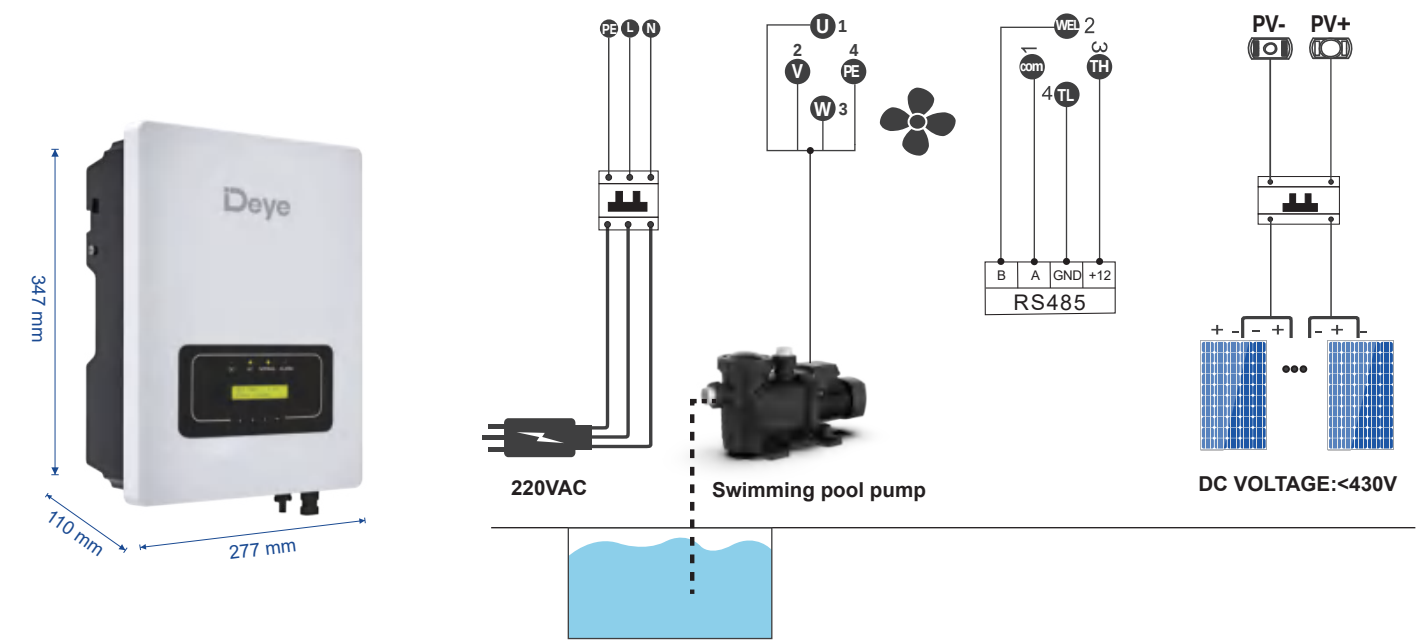
Smart 7/24 Timer
Automation and energy saving
- 

LCD
Liquid Crystal Display
Enhanced user convenience and experience

Controller Model	Pump Power (W)	DC Voltage Input Range (V)	Maximum DC Input Current (A)	AC Voltage Input Range (V)	Maximum AC Input Current (A)	Maximum AC Power Input (W)	Optimum Input Voltage (V)	IP Rating	Operating Temperature Range (°C)	Net Weight (kg)
[Hybrid] DY-(X)3000ACDC	1100	80-410	14	136-264	15	1700	130-400	IP65	-15 ~ 60	6.2
	1500					2050	160-400			
	2200					2850	220-400			

Note: (X) Xmeans D/L/B/H etc

ACDC Hybrid Controller and Pump Wiring Diagram



Technical Characteristics

- 

Control Chip
Imported main control chip.
- 

Smart Hybrid ACDC Auto Balance
- 

Permanent Magnet Synchronous Motor
Position-free on field-oriented control
- 

Wide Voltage Input
80~410V DC, 136~264V AC
- 

Solar Power Input
Prioritize solar power input
- 

Solar MPPT
MPPT tracking technology
- 

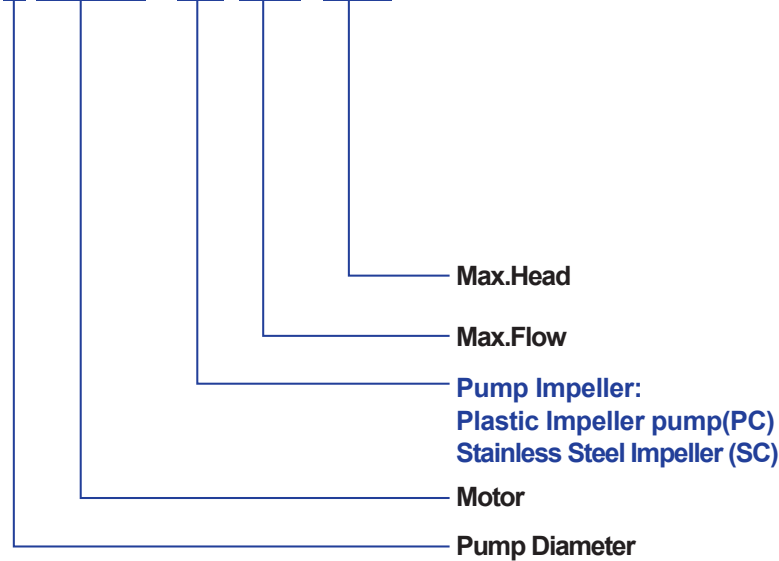
Digital Active PFC
Power Factor Up to 99.9%
- 

Intelligent Protection on Motor Drive
Never-burn Machine
- 

Built-in PV Leakage Protection Circuit
Safe and Reliable.
- 

Wiring Convenience

3 D1100 / PC 4.5 - 165



Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

3" 4"Operating Conditions

Maximum fluid temperature up to +30°C
Maximum sand content : 0.25%
Minimum well diameter : 3" 4"

Motor and Pump

NEMA dimension standards

Plastic Impeller Pump (PC)

Components	Material
Pump external casing	AISI 304 SS
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	Plastic.PC
Impeller	Plastic.POM
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-iron ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AIS I304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

Applications

For water supply from wells or reservoirs
For domestic use,for civil and industrial applications
For garden use and irrigation

4" 6"Operating Conditions

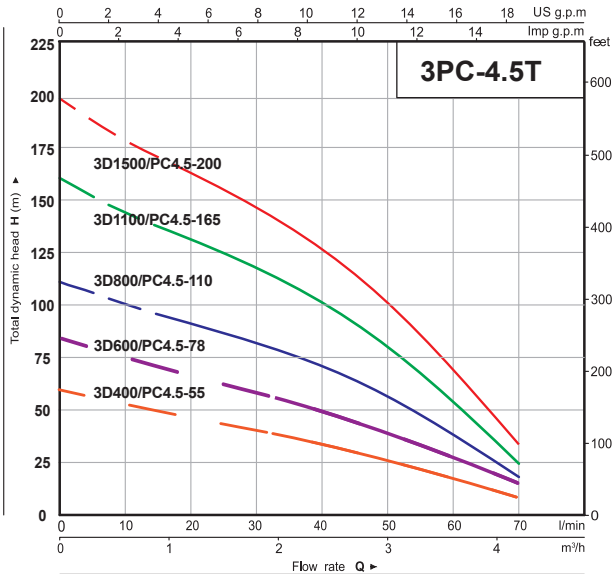
Maximum fluid temperature up to +50°C
Maximum sand content : 0.25%
Minimum well diameter : 4" 6"

Motor and Pump

NEMA dimension standards

Stainless Steel Impeller (SC)

Components	Material
Delivery casing	AISI 304 SS
Suction lantern	AISI 304 SS
Diffuser	AISI 304 SS
Impeller	AISI 304 SS
Shaft	AISI 304 SS
Shaft coupling	AISI 304 SS
Wear ring	AISI 304 SS
Motor external casing	AISI 304 SS
Top chock	① Cast-iron ② Cast-Cu ASTM C8850 ③ AISI 304 SS
Bottom support	AISI 304 SS
Mechanical seal	Special seal for deep well(Graphite-Ceramic)
Shaft	AISI 304 SS-ASTM 5140
Seal lubricant oil	Oil for food machinery and pharmaceutic use.

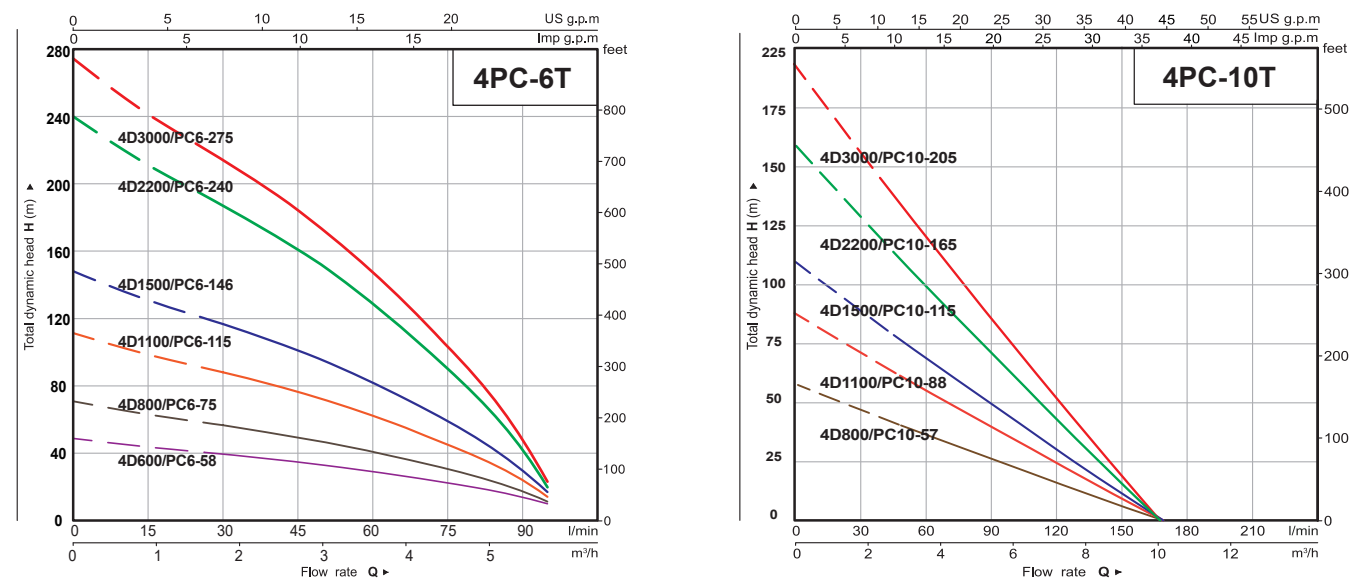


Plastic Impeller Submersible Solar Pump (PC)

TECHNICAL DATA (3 inch 4.5m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min										
					Q	m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	3.9	4.2
						l/min	0	10	20	30	40	50	60	65	70
3D400/PC4.5-55	DY-D900DC	/	400	65~100	H(m)	55	53	42	38	30	24	18	16	9	
3D600/PC4.5-78	DY-D900DC	/	600	65~100		78	70	67	60	50	39	32	18	14	
3D800/PC4.5-110	DY-D2000DC	DY-D3600AC/DC	800	90~160		110	102	97	85	70	58	45	32	16	
3D1100/PC4.5-165	DY-D2000DC	DY-D3600AC/DC	1100	130~200		165	146	140	121	102	83	68	51	32	
3D1500/PC4.5-200	DY-D2000DC	DY-D3600AC/DC	1500	160~240		200	186	174	154	122	103	83	60	34	



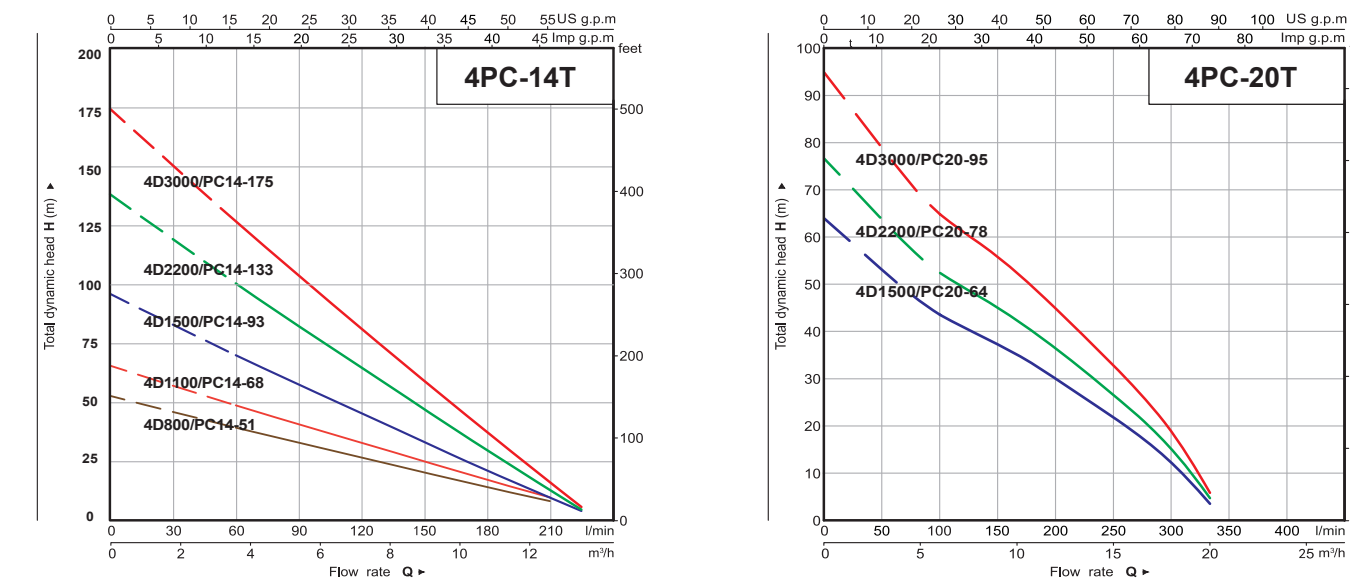


TECHNICAL DATA (4 inch 6m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q m³/h	0	0.9	1.8	2.7	3.0	3.6	4.5	5.4	5.7
						l/min	0	15	30	45	50	60	75	90
4D600/PC6-58	DY-D900DC	/	600	65~100	H(m)	58	53	48	41	37	31	19	7	5
4D800/PC6-75	DY-D2000DC	DY-D3600AC/DC	800	90~160		75	68	63	54	51	44	31	15	10
4D1100/PC6-115	DY-D2000DC	DY-D3600AC/DC	1100	130~200		115	109	100	83	78	68	48	27	19
4D1500/PC6-146	DY-D2000DC	DY-D3600AC/DC	1500	160~240		146	131	119	104	97	87	62	32	24
4D2200/PC6-240	/	DY-D3600AC/DC	2200	220~400		240	220	195	168	150	132	88	48	38
4D3000/PC6-275	/	DY-D3600AC/DC	3000	280~400		275	262	232	205	188	171	127	79	62

TECHNICAL DATA (4 inch 10m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
						0	20	40	60	80	100	120	140	160
4D800/PC10-57	DY-D2000DC	DY-D3600AC/DC	800	90~160	H(m)	57	54	52	50	43	36	28	20	10
4D1100/PC10-88	DY-D2000DC	DY-D3600AC/DC	1100	130~200		88	80	78	76	63	53	40	25	11
4D1500/PC10-115	DY-D2000DC	DY-D3600AC/DC	1500	160~240		115	106	102	99	81	68	48	31	13
4D2200/PC10-165	/	DY-D3600AC/DC	2200	220~400		165	153	141	138	113	95	70	40	14
4D3000/PC10-205	/	DY-D3600AC/DC	3000	280~400		205	187	182	169	143	118	90	62	20



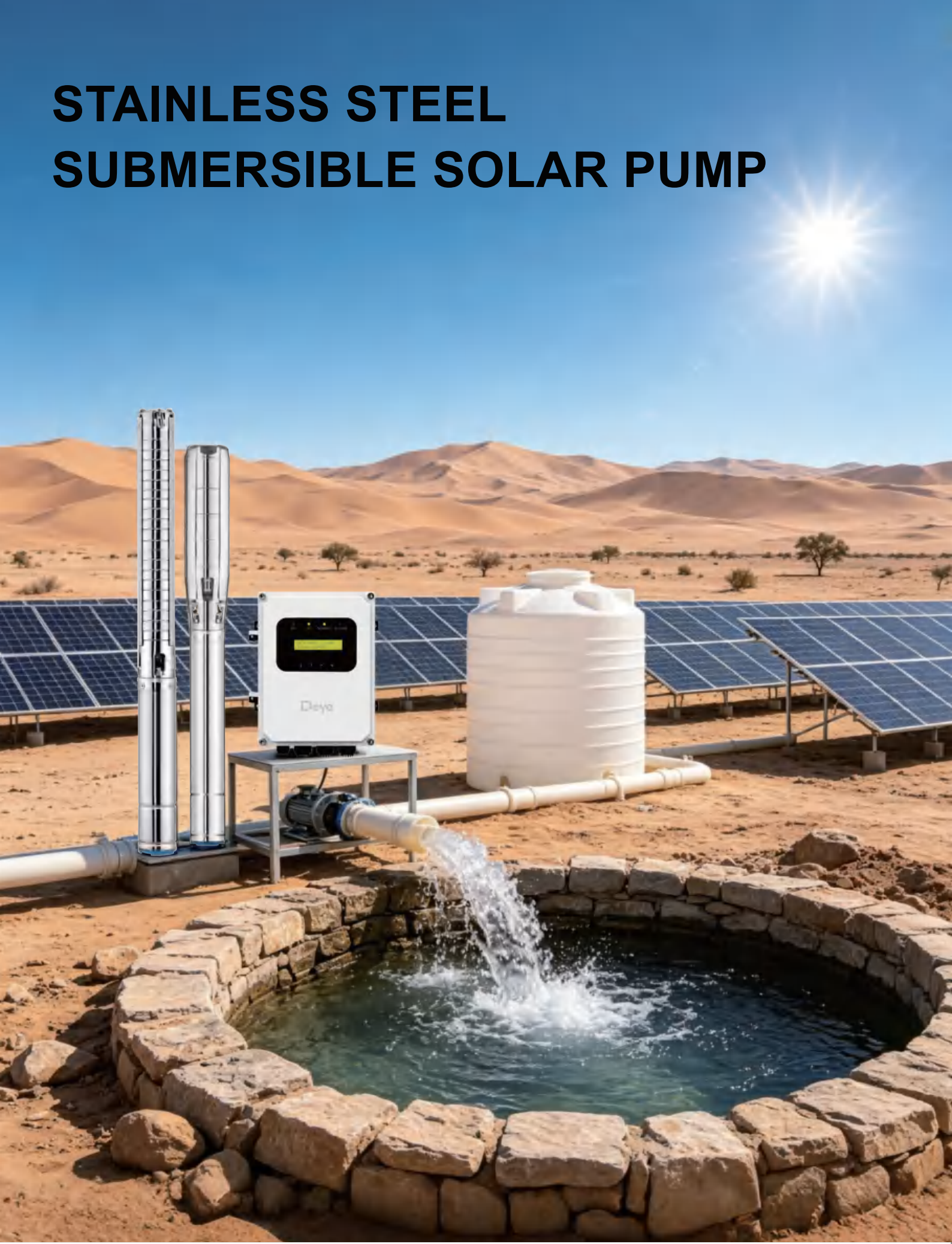
TECHNICAL DATA (4 inch 14m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q — m³/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	13.2
						0	30	60	90	120	150	180	210	220
4D800/PC14-51	DY-D2000DC	DY-D3600AC/DC	800	90~160	H(m)	51	43	38	33	26	19	12	5	2
4D1100/PC14-68	DY-D2000DC	DY-D3600AC/DC	1100	130~200		68	61	56	50	41	31	23	11	8
4D1500/PC14-93	DY-D2000DC	DY-D3600AC/DC	1500	160~240		93	81	73	65	51	35	26	13	9
4D2200/PC14-133	/	DY-D3600AC/DC	2200	220~400		133	116	104	92	73	54	36	18	11
4D3000/PC14-175	/	DY-D3600AC/DC	3000	280~400		175	146	127	123	100	77	57	33	23

TECHNICAL DATA (4 inch 20m³/h)

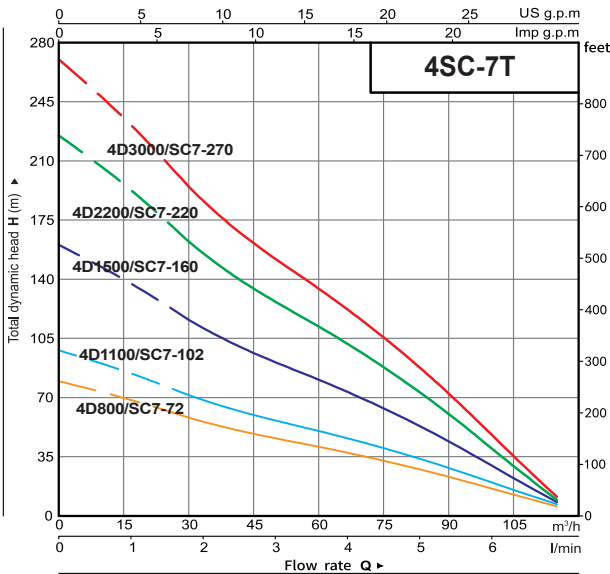
Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}=4500r/min									
					Q m³/h l/min	0	2.4	4.8	7.2	9.6	12.0	14.4	16.8	19.2
						0	40	80	120	160	200	240	280	320
4D1500/PC20-64	DY-D2000DC	DY-D3600AC/DC	1500	160~240	H(m)	64	58	48	42	36	31	24	16	6
4D2200/PC20-78	/	DY-D3600AC/DC	2200	220~400		78	77	68	60	52	44	35	25	14
4D3000/PC20-95	/	DY-D3600AC/DC	3000	280~400		95	91	86	68	60	58	44	32	22

STAINLESS STEEL SUBMERSIBLE SOLAR PUMP



4DSC Stainless Steel Impeller $n_{\max} \approx 4500 \text{ r/min}$

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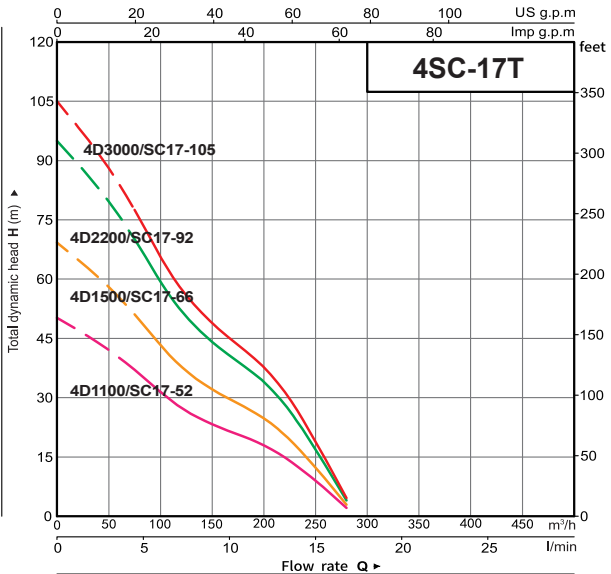
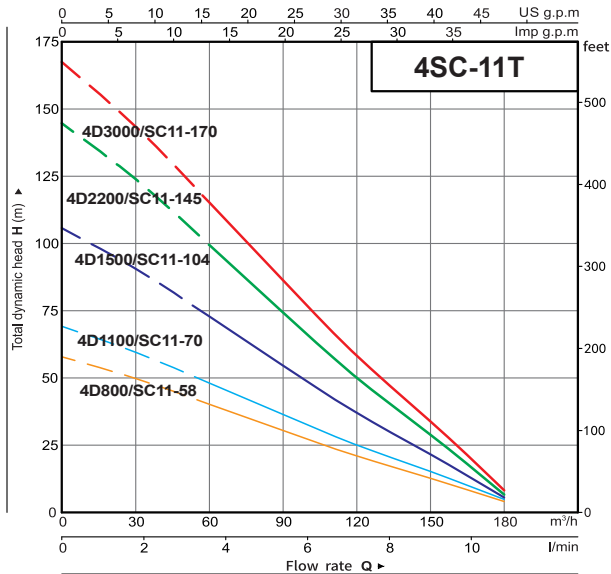


Stainless Steel Impeller Submersible Solar Pump(SC)

TECHNICAL DATA (4 inch 7m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q m³/h l/min	0	0.9	1.8	2.4	3.6	4.5	5.4	6.3	6.9
						0	15	30	45	60	75	90	105	115
4D800/SC7-72	DY-D2000DC	DY-D3600AC/DC	800	90~160	H(m)	72	67	61	51	46	36	27	17	9
4D1100/SC7-102	DY-D2000DC	DY-D3600AC/DC	1100	130~200		102	97	96	86	68	55	43	23	12
4D1500/SC7-160	DY-D2000DC	DY-D3600AC/DC	1500	160~240		160	151	130	116	90	70	49	28	15
4D2200/SC7-220	/	DY-D3600AC/DC	2200	220~400		220	215	190	168	128	100	73	40	20
4D3000/SC7-270	/	DY-D3600AC/DC	3000	280~400		270	258	240	182	158	140	105	70	38



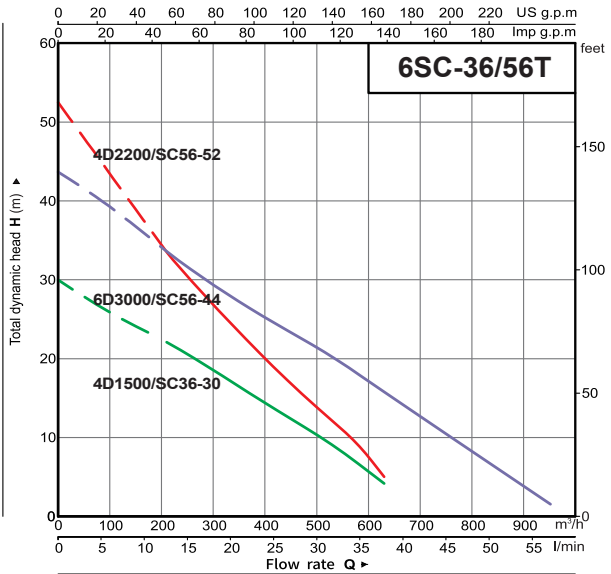
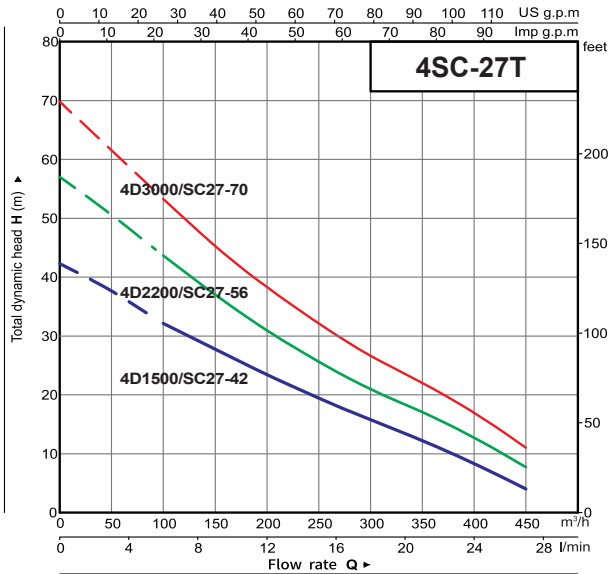


TECHNICAL DATA (4 inch 11m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q m³/h l/min	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6
						0	20	40	60	80	100	120	140	160
4D800/SC11-58	DY-D2000DC	DY-D3600AC/DC	800	90~160	H(m)	58	55	53	43	34	27	21	14	6
4D1100/SC11-70	DY-D2000DC	DY-D3600AC/DC	1100	130~200		70	67	65	59	50	41	34	26	17
4D1500/SC11-104	DY-D2000DC	DY-D3600AC/DC	1500	160~240		104	100	90	84	72	62	51	40	28
4D2200/SC11-145	/	DY-D3600AC/DC	2200	220~400		145	137	131	115	98	81	65	49	30
4D3000/SC11-170	/	DY-D3600AC/DC	3000	280~400		170	163	143	124	121	102	86	60	41

TECHNICAL DATA (4 inch 17m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n _{max} ≈4500r/min									
					Q m³/h	0	2.4	4.8	7.2	9.6	10.8	12.0	14.4	16.8
						l/min	0	40	80	120	160	180	200	240
4D1100/SC17-52	DY-D2000DC	DY-D3600AC/DC	1100	130~200	H(m)	52	50	43	34	28	24	21	13	5
4D1500/SC17-66	DY-D2000DC	DY-D3600AC/DC	1500	160~240		66	62	55	44	36	33	29	19	9
4D2200/SC17-92	/	DY-D3600AC/DC	2200	220~400		92	88	76	61	50	44	39	27	11
4D3000/SC17-105	/	DY-D3600AC/DC	3000	280~400		105	104	86	81	70	63	55	40	26



TECHNICAL DATA (4 inch 27m³/h)

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min									
					Q $\frac{\text{m}^3/\text{h}}{\text{l/min}}$	0	3.0	6.0	9.0	12	15	18	21	24
						0	50	100	150	200	250	300	350	400
4D1500/SC27-42	DY-D2000DC	DY-D3600AC/DC	1500	160~240	H(m)	42	41	41	29	24	20	16	13	6
4D2200/SC27-56	/	DY-D3600AC/DC	2200	220~400		56	55	49	40	34	28	23	18	10
4D3000/SC27-70	/	DY-D3600AC/DC	3000	280~400		70	68	65	54	48	37	33	25	17

TECHNICAL DATA (6 inch 36m³/h)

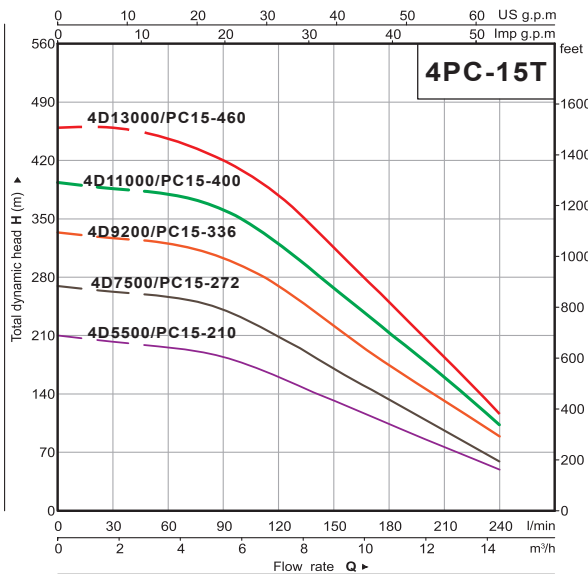
Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}=4500r/min										
					Q	m³/h	0	5.0	10	18	20	23	25	28	33
						l/min	0	83	167	300	333	383	417	467	550
6D1500/SC36-30	DY-D2000DC	DY-D3600AC/DC	1500	160~240	H(m)	30	27	23	17	16	14	13	11	8	
6D2200/SC36-52	/	DY-D3600AC/DC	2200	220~400		52	45	37	27	25	22	19	16	10	

TECHNICAL DATA (6 inch 56m³/h)

Model	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈4500r/min										
				Q —	m³/h	0	6.0	12	18	24	30	36	42	54
					l/min	0	100	200	300	400	500	600	700	900
6D3000/SC56-44	DY-D3600AC/DC	3000	280~400	H(m)	44	40	33	33	29	25	20	15	6	

HIGH SPEED SUBMERSIBLE SOLAR PUMP

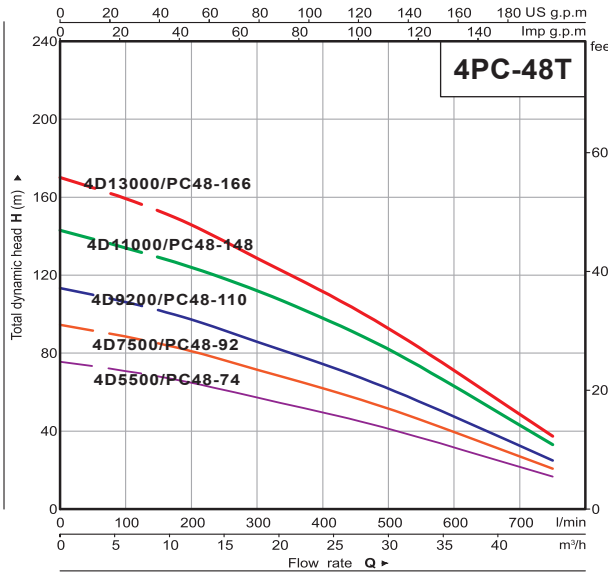
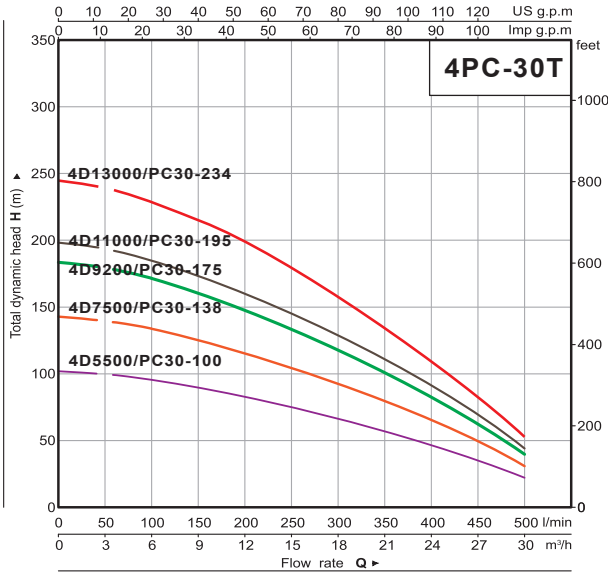




High Speed Submersible Solar Pump (PC)

TECHNICAL DATA (4 inch 15m³/h)

Model	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈5000r/min									
				Q m³/h l/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
					0	30	60	90	120	150	180	210	240
4D5500/PC15-210	DY-D13600AC/DC	5500	520~650	H(m)	210	210	203	191	164	135	104	78	48
4D7500/PC15-272	DY-D13600AC/DC	7500	520~650		272	265	259	247	210	170	134	97	59
4D9200/PC15-336	DY-D13600AC/DC	9200	520~650		336	328	322	313	273	221	178	134	89
4D11000/PC15-400	DY-D13600AC/DC	11000	520~650		400	386	378	371	323	261	210	160	103
4D13000/PC15-460	DY-D13600AC/DC	13000	520~650		460	459	446	420	377	315	246	185	113

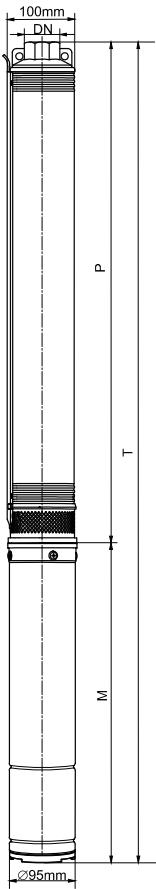
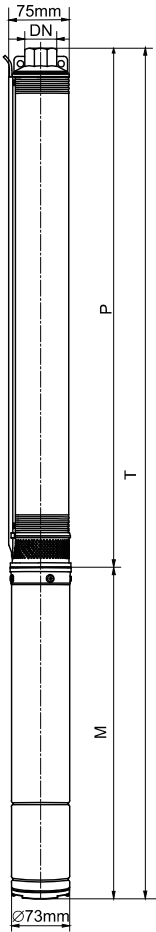


TECHNICAL DATA (4 inch 30m³/h)

Model	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n _{max} ≈5000r/min									
				Q m³/h	0	6	9	12	15	18	21	24	30
					l/min	0	100	150	200	250	300	350	400
4D5500/PC30-100	DY-D13600AC/DC	5500	520~650	H(m)	100	95	89	83	73	64	54	45	22
4D7500/PC30-138	DY-D13600AC/DC	7500	520~650		138	133	125	117	103	90	73	63	31
4D9200/PC30-175	DY-D13600AC/DC	9200	520~650		175	170	161	150	132	116	98	80	40
4D11000/PC30-195	DY-D13600AC/DC	11000	520~650		195	189	179	167	147	129	111	89	44
4D13000/PC30-234	DY-D13600AC/DC	13000	520~650		234	227	214	200	176	154	133	107	53

TECHNICAL DATA (4 inch 48m³/h)

Model	AC/DC Controller	Power (W)	Voltage (V)	DELIVERY n_{max}≈5000r/min									
				Q m³/h	0	6	12	18	24	30	36	42	48
					l/min	0	100	200	300	400	500	600	700
4D5500/PC48-74	DY-D13600AC/DC	5500	520~650	H(m)	74	72	65	57	50	42	32	22	10
4D7500/PC48-92	DY-D13600AC/DC	7500	520~650		92	89	81	72	62	53	40	27	12
4D9200/PC48-110	DY-D13600AC/DC	9200	520~650		110	106	97	86	74	65	47	32	15
4D11000/PC48-148	DY-D13600AC/DC	11000	520~650		148	144	130	114	110	80	64	44	20
4D13000/PC48-166	DY-D13600AC/DC	13000	520~650		166	159	146	129	122	92	71	49	22



DIMENSIONS AND WEIGHTS

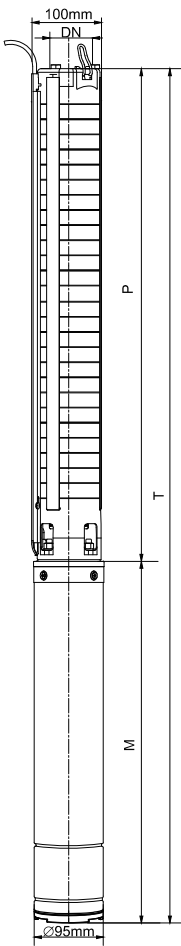
P= PUMP BODY M= MOTOR T= WATER PUMP

Model	Power (W)	DN	Dimension (mm)			Weight (kg)		
			P	M	T	P	M	T
3D400/PC4.5-55	400	1"/1.25"/1.5"	355	355	593	1.8	3.0	4.8
3D600/PC4.5-78	600		401	401	639	2.0	3.0	5.0
3D800/PC4.5-110	800		470	470	728	2.3	3.5	5.8
3D1100/PC4.5-165	1100		592	592	870	2.7	4.0	6.7
3D1500/PC4.5-200	1500		701	701	999	3.3	4.6	7.9

DIMENSIONS AND WEIGHTS

P= PUMP BODY M= MOTOR T= WATER PUMP

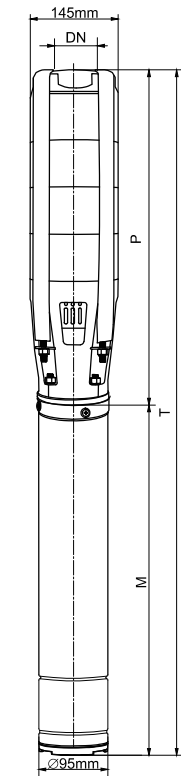
Model	Power (W)	DN	Dimension (mm)			Weight (kg)		
			P	M	T	P	M	T
4D600/PC6-58	600	1.25"/1.5"	290	260	550	2.6	5.0	7.6
4D800/PC6-75	800		315	269	584	2.8	5.5	8.3
4D1100/PC6-115	1100		394	284	678	3.2	6.3	9.5
4D1500/PC6-146	1500		467	309	776	3.8	7.3	11.1
4D2200/PC6-240	2200		563	329	892	4.3	8.0	12.3
4D3000/PC6-275	3000	1.5"/2"	643	329	972	4.9	8.0	12.9
4D800/PC10-57	800		278	269	547	2.6	5.5	8.1
4D1100/PC10-88	1100		335	284	619	3.0	6.3	9.3
4D1500/PC10-115	1500		422	309	759	3.4	7.3	10.7
4D2200/PC10-165	2200		507	329	836	4.0	8.0	12.0
4D3000/PC10-205	3000	2"/2.5"	563	329	892	4.4	8.0	12.4
4D800/PC14-51	800		307	269	576	2.5	5.5	8.0
4D1100/PC14-68	1100		341	284	625	2.8	6.3	9.1
4D1500/PC14-93	1500		442	309	751	3.4	7.3	10.7
4D2200/PC14-133	2200		511	329	840	3.8	8.0	11.8
4D3000/PC14-175	3000	1.5"/2"/2.5"	580	329	909	4.1	8.0	12.1
4D5500/PC15-210	5500		612	419	1031	4.7	11.1	15.8
4D7500/PC15-272	7500		715	459	1174	5.4	13.0	18.4
4D9200/PC15-336	9200		818	509	1327	6.2	15.5	21.7
4D11000/PC15-400	11000		953	559	1512	7.2	18.2	25.4
4D13000/PC15-460	13000	2"/2.5"	1056	609	1665	8.0	20.7	28.7
4D1500/PC20-64	1500		372	309	681	3.7	7.3	11.0
4D2200/PC20-78	2200		448	329	777	3.9	8.0	11.9
4D3000/PC20-95	3000		491	329	820	4.1	8.0	12.1
4D5500/PC30-100	5500		493	419	912	3.6	11.1	14.7
4D7500/PC30-138	7500	2"/2.5"	586	459	1045	4.2	13.0	17.2
4D9200/PC30-175	9200		675	509	1184	5.2	15.5	20.7
4D11000/PC30-195	11000		763	559	1322	5.5	18.2	23.7
4D13000/PC30-234	13000		856	609	1465	6.2	20.7	26.9
4D5500/PC48-74	5500	2"/2.5"	570	419	989	4.2	11.1	15.3
4D7500/PC48-92	7500		680	459	1139	5.0	13.0	18.0
4D9200/PC48-110	9200		750	509	1259	5.4	15.5	20.9
4D11000/PC48-148	11000		881	559	1440	6.6	18.2	24.8
4D13000/PC48-166	13000		1005	609	1614	7.3	20.7	28.0



DIMENSIONS AND WEIGHTS

P= PUMP BODY M= MOTOR T= WATER PUMP

Model	Power (W)	DN	Dimension (mm)			Weight (kg)		
			P	M	T	P	M	T
4D800/SC7-72	800	1.5"	260	269	529	2.3	5.5	7.8
4D1100/SC7-102	1100		302	284	586	2.8	6.3	9.1
4D1500/SC7-160	1500		386	309	695	3.6	7.3	10.9
4D2200/SC7-220	2200		470	329	799	4.5	8.0	12.5
4D3000/SC7-270	3000		533	329	862	5.2	8.0	13.2
4D800/SC11-58	800	1.5"/2"	235	269	504	2.2	5.5	7.7
4D1100/SC11-70	1100		256	284	540	2.4	6.3	8.7
4D1500/SC11-104	1500		298	309	607	2.8	7.3	10.1
4D2200/SC11-145	2200		361	329	690	3.6	8.0	11.6
4D3000/SC11-170	3000		407	329	736	4.0	8.0	12.0
4D1100/SC17-52	1100	2"	366	284	650	4.1	6.3	10.4
4D1500/SC17-66	1500		408	309	717	4.4	7.3	11.7
4D2200/SC17-92	2200		492	329	821	5.1	8.0	13.1
4D3000/SC17-105	3000	2"	541	329	870	5.4	8.0	13.4
4D1500/SC27-42	1500		349	309	658	4.5	7.3	11.8
4D2200/SC27-56	2200		399	329	728	4.9	8.0	12.9
4D3000/SC27-70	3000		455	329	784	5.3	8.0	13.3



DIMENSIONS AND WEIGHTS

P= PUMP BODY M= MOTOR T= WATER PUMP

Model	Power (W)	DN	Dimension (mm)			Weight (kg)		
			P	M	T	P	M	T
6D1500/SC36-30	1500	3"	311	309	620	3.7	7.3	11.0
6D2200/SC36-52	2200		360	329	695	4.9	8.0	12.9
6D3000/SC56-44	3000	3"/4"	448	329	777	7.1	8.0	15.1



Surface Solar Pump



SOLAR SELF-PRIMING JET PUMP

- MOTOR**
- ※ BLDC motor(n=3600 r.p.m)
 - ※ Insulation Class B
 - ※ Protection IPX4
 - ※ Continuous service S1

- OPERATING CONDITIONS**
- ※ Liquid temperature up to 60°C
 - ※ Ambient temperature up to 40°C
 - ※ Total suction lift up to 8m



TECHNICAL DATA

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	Diameter	DELIVERY $\dot{V}_{\max}=3600\text{r/min}$										PV Solar Panel		
						Q	m³/h	0	0.9	1.2	1.8	2.4	3	3.3	3.6		3.9	4.2
							l/min	0	15	20	30	40	50	55	60		65	70
H550/ST3.8-36	DY-H900DC	/	550	65~100	1"x1"	H(m)	36	27	25	20	18	14	13	7	-	-	370~425W*2PCS	
H750/ST3.8-45	DY-H2000DC	DY-H3600AC/DC	750	90~160	1"x1"		45	35	33	27	23	20	19	8	-	-	350~400W*3PCS/540~600W*2PCS	
H1150/ST4.3-57	DY-H2000DC	DY-H3600AC/DC	1150	130-200	1"x1"		57	44	41	36	32	28	27	26	13	8	370~425W*4PCS/500~580W*3PCS	
L1100/ST4.3-57	DY-L2000DC	DY-L3600AC/DC	1100	130-200	1"x1"		57	44	41	36	32	28	27	26	13	8	370~425W*4PCS/500~580W*3PCS	

SOLAR STANDARD CENTRIFUGAL PUMP

- MOTOR**
- ※ BLDC motor(n=3600 r.p.m)
 - ※ Insulation Class B
 - ※ Protection IPX4
 - ※ Continuous service S1

- OPERATING CONDITIONS**
- ※ Liquid temperature up to 60°C
 - ※ Ambient temperature up to 40°C
 - ※ Total suction lift up to 4m

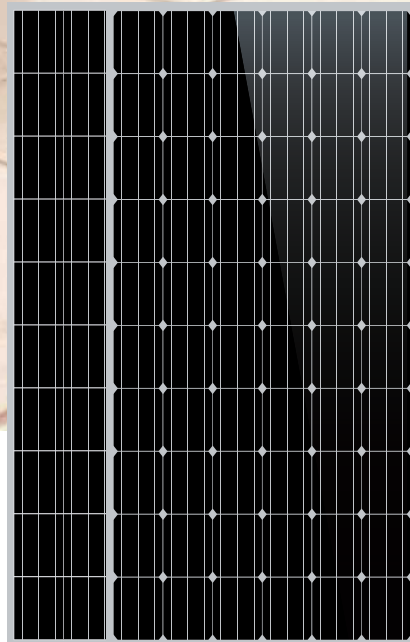


TECHNICAL DATA

Model	DC Controller	AC/DC Controller	Power (W)	Voltage (V)	Diameter	DELIVERY $n_{\max}=3600r/min$													PV Solar Panel
						Q	m³/h	0	4	12	16	24	36	48	60	72	76		
							l/min	0	67	200	267	400	600	800	1000	1200	1267		
H750/HF25-17	DY-H2000DC	DY-H3600AC/DC	750	90~160	2"x2"	H(m)	17	16	13	11	5	-	-	-	-	-	350~400W*3PCS/540~600W*2PCS		
H1150/HF29-23	DY-H2000DC	DY-H3600AC/DC	1150	130~200	2"x2"		23	22	17	15	10	-	-	-	-	-	370~425W*4PCS/500~580W*3PCS		
H1550/HF52-18	DY-H2000DC	DY-H3600AC/DC	1550	160~240	3"x3"		18	17	14	13	11	7	3	-	-	-	400~460W*5PCS/500~580W*4PCS		
H2250/HF60-20	/	DY-H3600AC/DC	2250	220~400	3"x3"		20	19	17	16	15	12	8	3	-	-	430~500W*6PCS/520~600W*5PCS		
H3050/HF82-22	/	DY-H3600AC/DC	3050	280~400	4"x4"		22	22	22	21	19	16	13	10	6	4	430~500W*7PCS/500~580W*6PCS		
L1100/HF29-22	DY-L2000DC	DY-L3600AC/DC	1100	130~200	2"x2"		22	21	18	15	10	-	-	-	-	-	370~425W*4PCS/500~580W*3PCS		
L1500/HF57-18	DY-L2000DC	DY-L3600AC/DC	1500	160~240	3"x3"		18	17	14	13	12	7	3	-	-	-	400~460W*5PCS/500~580W*4PCS		
L2200/HF66-21	/	DY-L3600AC/DC	2200	220~400	3"x3"		21	21	21	20	19	14	11	7	-	-	430~500W*6PCS/520~600W*5PCS		



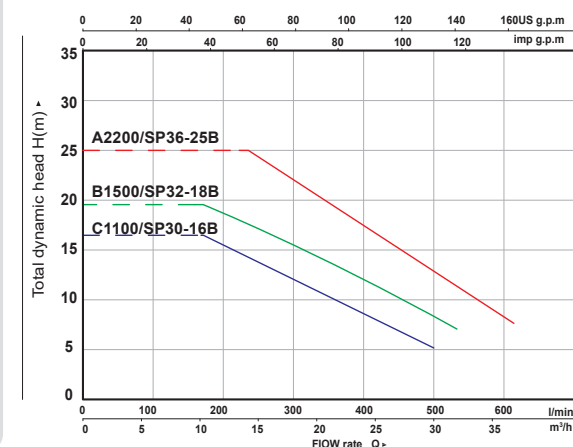
- Hybrid ACDC
- Solar MPPT
- SVPWM
- Digital PFC
- LCD Display
- IP65
- Smart Motor
- RS485



Swimming Pool Solar Pump

- Mechanical Seal: silicon carbide+316SS+Fluorine Rubber (Super Wear-Resistant)
- Medium Temperature: ≤75°
- Bearing: (BUT)2RS1 Made In UK
- Insulation Class:Class F
- Motor Material: 50WW600 High Efficiency Heat Dissipation
- Motor Protection:Front And Rear Double Skeleton Sealing Structure
- Protection Class:IP55
- Junction box: Aluminum alloy flame retardant structure
- Shaft: 316SS Food Grade Stainless Steel+40Cr Tempered Steel
- Pump Body Material: PA Material (High Temperature Resistant)

TECHNICAL PARAMETERS



SWIMMING POOL SOLAR PUMP

MOTOR

- ※ BLDC motor(n=4000 r.p.m)
- ※ Insulation Class F
- ※ Protection IP55
- ※ Continuous service S1

OPERATING CONDITIONS

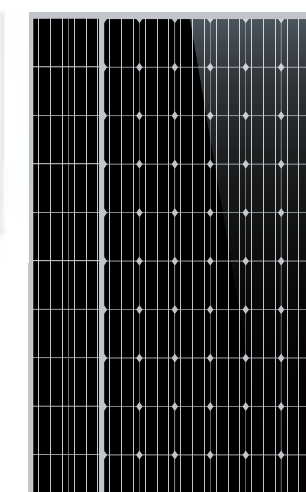
- ※ Liquid temperature up to 75°C
- ※ Ambient temperature up to 50°C
- ※ Total suction lift up to 4m

COMPONENT

- ※ Pump body:
- ※ Pump support:
- ※ Motor housing:
- ※ Impeller:
- ※ Motor shaft:
- ※ Mechanical seal:

CONSTRUCTION

- High-temperature PA66
- Aluminum
- Aluminum
- PPO (Polyphenylene Oxide)
- AISI316 SS
- Ceramic/Graphite

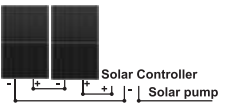
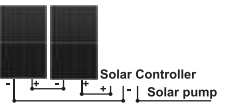
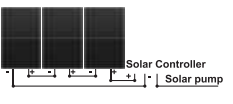
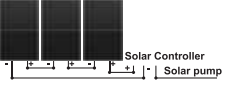
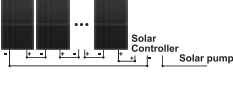
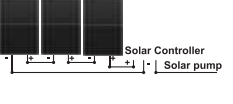
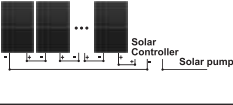
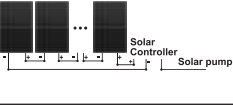


TECHNICAL DATA

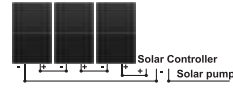
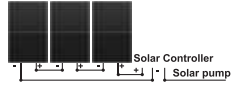
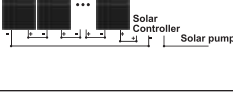
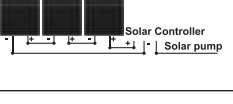
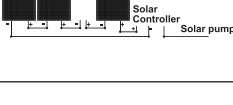
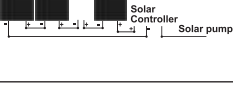
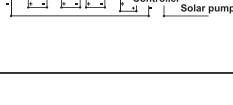
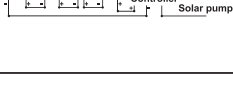
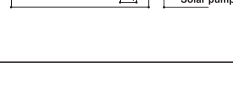
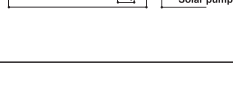
Model	ACDC Controller	AC/DC Controller	Power (W)	Voltage (V)	Diameter	DELIVERY $n_{max} \approx 4000r/min$										PV Solar Panel		
						Q	m³/h											
							0	4	8	12	16	20	24	28	32		36	
							l/min	0	67	133	200	267	333	400	467		533	600
		US.GPM	0	18	35	53	70	88	106	123	141	159						
A2200 SP36-25B	DY-B3000 ACDC	DY-B3600 AC/DC	1100	130~200	2"x2"	H(m)		16	16	16	16	14	12	9	5	-	-	370~425W*4PCS/500~580W*3PCS
			1500	160~240				18	18	18	18	16	14	11	9	6	-	400~460W*5PCS/500~580W*4PCS
			2200	220~400				25	24	24	23	22	21	19	15	10	6	430~500W*6PCS/520~600W*5PCS

Note:The secondary pump can realize frequency conversion function through controller selection program

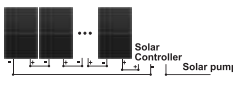
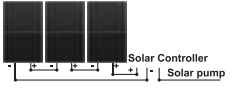
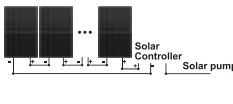
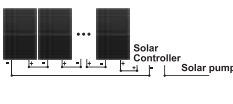
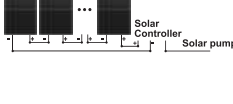
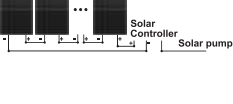
DC Controller (400-1500W)

Model	Motor Power(W)	PV Starting Voltage(V)	PV Protection Voltage(V)	PV Solar Panel (Motor * 1.3~1.5)			
				550W Solar Panel Voc: 49.8V Vmp:41.95V		600W Solar Panel Voc: 52.34V Vmp: 43.9V	
DY-(X)900DC	400/600	Vmp ≥ 30V	Voc ≤ 125	550*2pcs		600*2pcs	
DY-(X)2000DC	800	Vmp ≥ 60V	Voc ≤ 225	550*3pcs		600*3pcs	
	1100			550*4pcs		600*3pcs	
	1500			550*4pcs		600*4pcs	

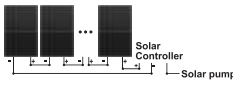
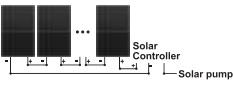
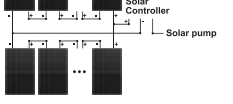
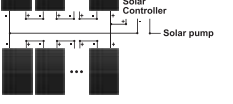
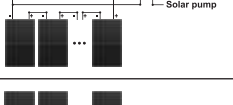
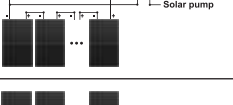
Auto-switch AC/DC Controller (800-3000W)

Model	Motor Power(W)	PV Starting Voltage(V)	PV Protection Voltage(V)	PV Solar Panel (Motor * 1.3~1.5)			
				550W Solar Panel Voc:49.8V Vmp:41.95V		600W Solar Panel Voc:52.34V Vmp:43.9V	
[Auto-switch] DY-(X)3600AC/DC	800	Vmp ≥ 108V	Voc ≤ 430	550*4pcs		600*3pcs	
	1100			550*4pcs		600*3pcs	
	1500			550*4pcs		600*4pcs	
	2200			550*6pcs		600*5pcs	
	3000			550*7pcs		600*7pcs	

Hybrid ACDC Controller (1100-2200W)

Model	Motor Power(W)	PV Starting Voltage(V)	PV Protection Voltag(V)	PV Solar Panel (Motor * 1.3~1.5)			
				550W Solar Panel Voc: 49.8V Vmp: 41.95V		600W Solar Panel Voc: 52.34V Vmp: 43.9V	
[Hybrid] DY-(X)3000ACDC	1100	Vmp ≥ 80V	Voc ≤ 410	550*4pcs		600*3pcs	
	1500			550*4pcs		600*4pcs	
	2200			550*6pcs		600*5pcs	

Auto-switch AC/DC Controller (5500-13000W)

Model	Motor Power(W)	PV Starting Voltage(V)	PV Protection Voltag(V)	PV Solar panel (Motor * 1.3~1.5)			
				550W Solar Panel Voc:49.8V Vmp:41.95V		600W Solar Panel Voc:52.34V Vmp:43.9V	
[Auto-switch] DY-(X)13600AC/DC	5500	Vmp ≥ 200V	Voc ≤ 780	550*13pcs		600*12pcs	
	7500			(550*11pcs) x2		(600*11pcs) x2	
	9200			(550*11pcs) x2		(600*11pcs) x2	
	11000			(550*13pcs) x2		(600*12pcs) x2	
	13000			(550*15pcs) x2		(600*14pcs) x2	