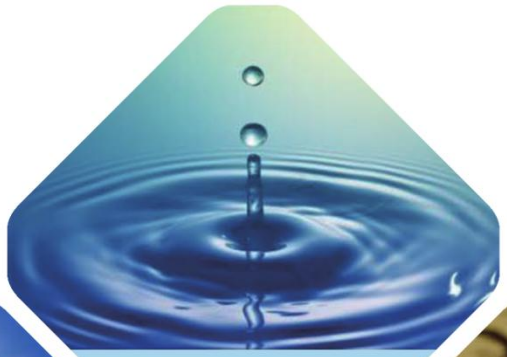
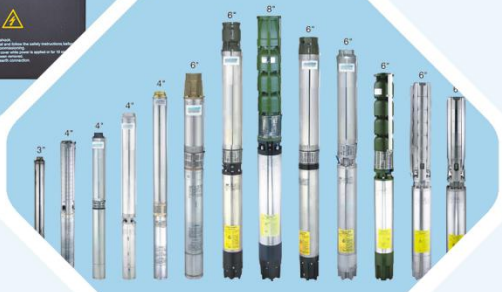


Water

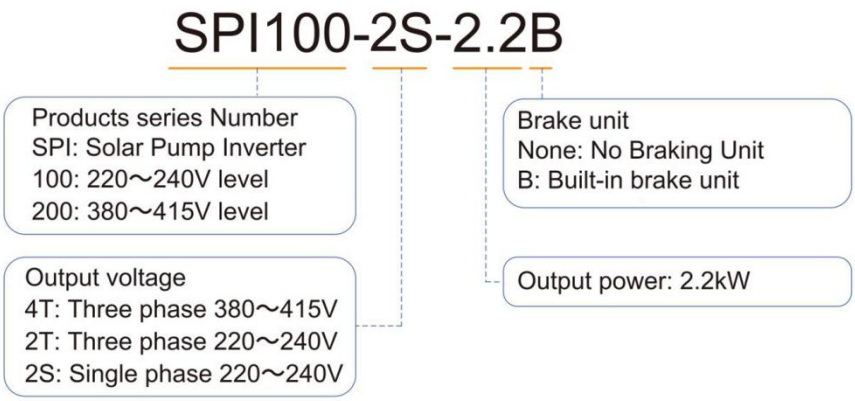
Sun

Life



IP20-SPI100

Model description



Features

- Simple & Easy
- High efficiency MPPT
- Fully automatic running
- Perfect pump protection
- Water level control
- Output: 1AC or 3AC 220V~240V

Specifications

Max input DC voltage	450VDC
Recommended MPPT voltage range	250~350VDC
Recommended input voltage (Vmpp)	300~330VDC
MPPT efficiency	99.9%
Rated output voltage	1AC or 3AC 220~240V
Output frequency range	0~600Hz
Efficiency of the inverter	97%
IP grade	IP20
Water level control function	Low water level start High water level stop

Product features

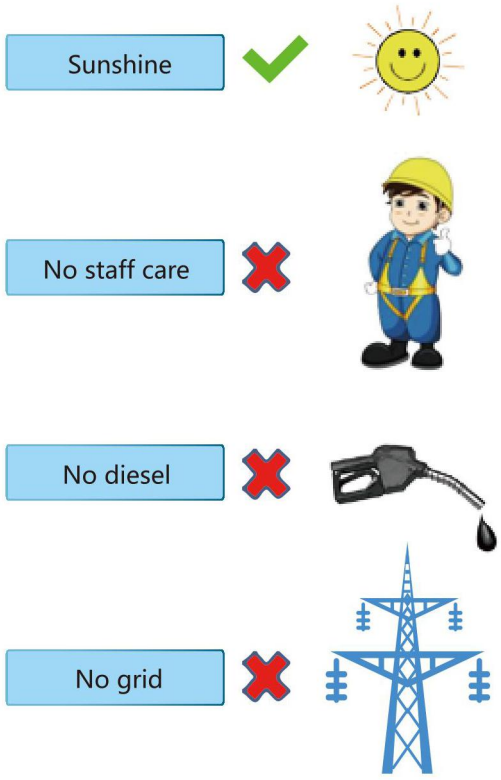
DC ⬇ 1AC/3AC
- Solar energy to AC power
- Output 1AC or 3AC

MPPT
- Build-in MPPT function
- Highefficiency
- Optimized frequency output

Flexible system design
- Minimized solar panels solution
- Off-grid power storage
- GPRS based wireless monitoring & controlling

Compatible with both DC and AC input
- Humanism design
- Compatible with both DC and AC input

Automatic control
- Start in the morning automatically
- Stop in the afternoon automatically
- Dormancy and wake up automatically
- Output speed change automatically



Model Selection

Single-Phase 220~240V Output

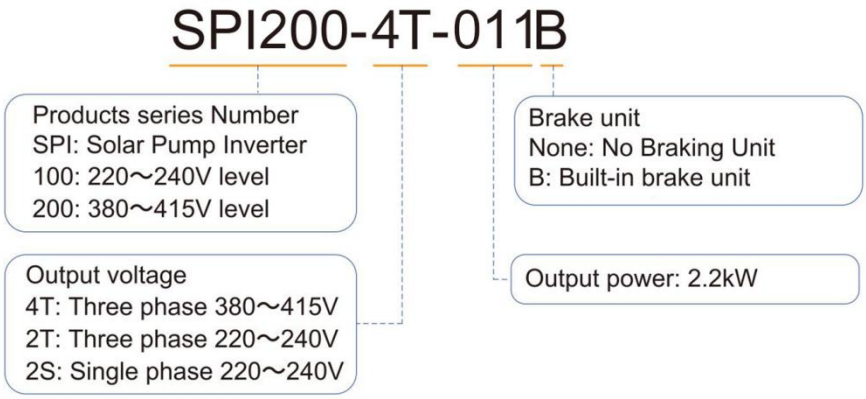
Model No.	Rated output power	Max. DC input current	Rated output current	Pump
	(kW)	(A)	(A)	(kW)
SPI100-2S-0.4B	0.4	4.5	2.5	≤0.2
SPI100-2S-0.7B	0.75	8.2	4.0	≤0.4
SPI100-2S-1.5B	1.5	14.0	7.0	≤0.75
SPI100-2S-2.2B	2.2	23.0	9.6	≤1.5
SPI100-2S-4.0B	4.0	35.0	17.0	≤2.2

Three-Phase 220~240V Output

Model No.	Rated output power	Max. DC input current	Rated output current	Pump
	(kW)	(A)	(A)	(kW)
SPI100-2T-0.4B	0.4	4.5	2.5	≤0.2
SPI100-2T-0.7B	0.75	8.2	4.0	≤0.4
SPI100-2T-1.5B	1.5	14.0	7.0	≤0.75
SPI100-2T-2.2B	2.2	23.0	9.6	≤1.5
SPI100-2T-4.0B	4.0	35.0	17.0	≤2.2

IP20-SPI200

Model description



Features

- Simple & Easy
- High efficiency MPPT
- Fully automatic running
- Water level control
- Max. water head: 400m
- Max. water flow: 8000m /day
- Output: 3AC 380~415V

Specifications

Max input DC voltage	800VDC
Recommended MPPT voltage range	450~600VDC
Recommended input voltage (Vmpp)	500~540VDC
MPPT efficiency	99.9%
Rated output voltage	3AC 380~415V
Output frequency range	0~600Hz
Efficiency of the inverter	97%
IP grade	IP20
Water level control function	Low water level start High water level stop

Product features

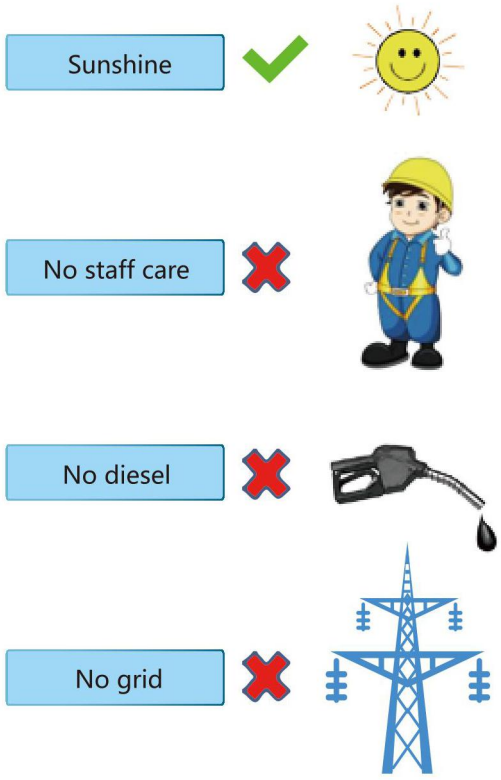
DC → 1AC/3AC
- Solar energy to AC power
- Output 1AC or 3AC

MPPT
- Build-in MPPT function
- Highefficiency
- Optimized frequency output

Flexible system design
- Minimized solar panels solution
- Off-grid power storage
- GPRS based wireless monitoring & controlling

Compatible with both DC and AC input
- Humanism design
- Compatible with both DC and AC input

Automatic control
- Start in the morning automatically
- Stop in the afternoon automatically
- Dormancy and wake up automatically
- Output speed change automatically



Model Selection

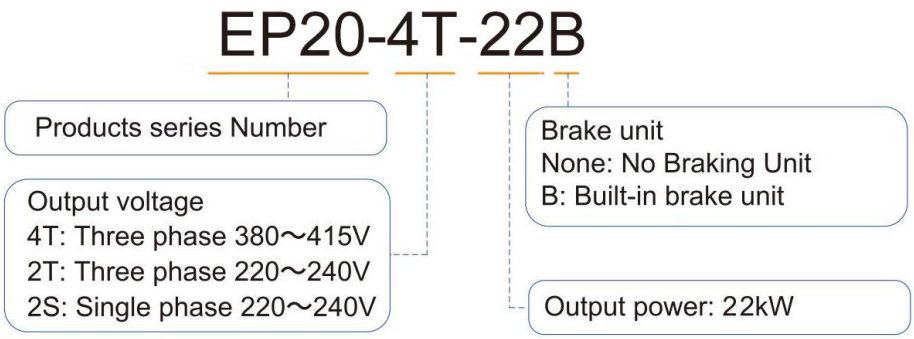
Three-Phase 380~415V Output

Model No.	Rated output power	Max. DC input current	Rated output current	Pump
	(kW)	(A)	(A)	(kW)
SPI200-4T-0.7B	0.75	3.4	2.5	≤0.45
SPI200-4T-1.5B	1.5	5.0	3.8	≤0.75
SPI200-4T-2.2B	2.2	5.8	5.1	≤1.5
SPI200-4T-4.0B	4	10.5	9.0	≤2.2
SPI200-4T-5.5B	5.5	14.6	13.0	≤4
SPI200-4T-7.5B	7.5	20.5	17.0	≤5.5
SPI200-4T-011B	11	26.0	25.0	≤7.5
SPI200-4T-015B	15	35.0	32.0	≤11
SPI200-4T-018B	18.5	38.5	37.0	≤15
SPI200-4T-022B	22	46.5	45.0	≤18.5
SPI200-4T-030B	30	62.0	60.0	≤22

※ Upto 710kW Inverter can be supported.

EP20

Model description



Features

- One button control
- Faster and bigger memory chip
- New easy user manual
- AC motor and PMSM Motor

Specifications

Max input DC voltage	800VDC
Recommended MPPT voltage range	350~750VDC
Recommended input voltage (Vmpp)	540~650VDC
MPPT efficiency	99.99%
Rated output voltage	3AC 380V
Input frequency range	0~50/60Hz
Efficiency of the inverter	97%
Cooling mode	Forced air cooling
IP grade	IP20
Altitude	Below 1000m, when the altitude exceeds 1000m, please reduce according to the ratio of 100m down 1%.
Standard of conformity	CE

Product features

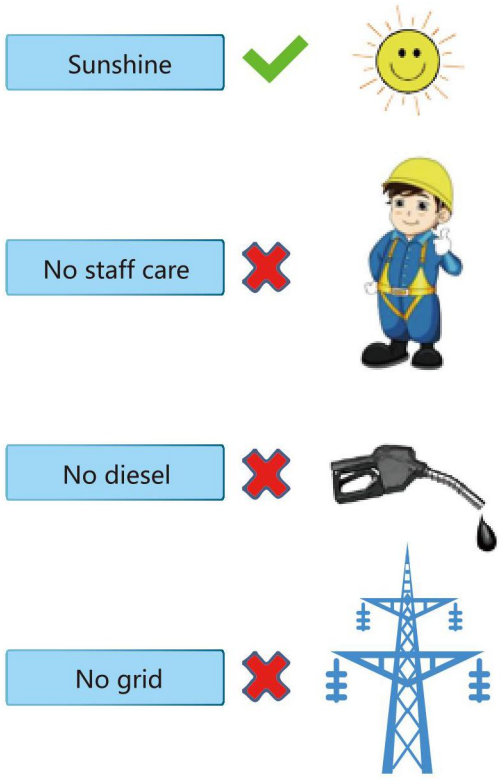
DC → 1AC/3AC
- Solar energy to AC power
- Output 1AC or 3AC

MPPT
- Build-in MPPT function
- Highefficiency
- Optimized frequency output

Flexible system design
- Minimized solar panels solution
- Off-grid power storage
- GPRS based wireless monitoring & controlling

Compatible with both DC and AC input
- Humanism design
- Compatible with both DC and AC input

Automatic control
- Start in the morning automatically
- Stop in the afternoon automatically
- Dormancy and wake up automatically
- Output speed change automatically



Model Selection

EP Series Pump Inverter Model and Technical Data

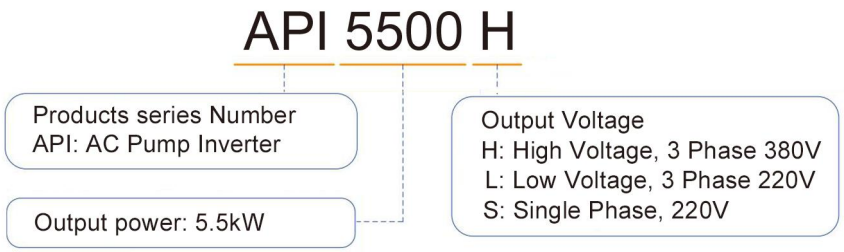
Model No.	Rated output power	Max. DC input current	Rated output current	Adopter motor
	(kW)	(A)	(A)	(kW)
EP20-4T-0.4B	0.4	2.4	1.2	0.4/0.75
EP20-4T-0.75B	0.75	3.4	2.1	0.75/1.5
EP20-4T-1.5B	1.5	5.0	3.8	1.5/2.2
EP20-4T-2.2B	2.2	5.8	5.1	2.2/3.7
EP20-4T-4.0B	4.0	10.5	9	3.7/5.5
EP20-4T-5.5B	5.5	14.6	13	5.5/7.5
EP20-4T-7.5B	7.5	20.5	17	7.5/11
EP20-4T-11B	11	26.0	25	11/15
EP20-4T-15B	15	35.0	32	15/18.5
EP20-4T-18.5B	18.5	38.5	37	18.5/22
EP20-4T-22B	22	46.5	45	22/30
EP20-4T-30B	30	62.0	60	30/37
EP20-4T-37B	37	76.0	75	37/45

※ Upto 710kW Inverter can be supported.

New Launch - One Button Control Solar Pump Inverter

IP65-API

Model description



Features

- One button control, simple & easy operation
- High MPPT efficiency 99.9%
- 2/1 PV combiner box integrate
- Lightning protection, short circuit protection
- Compatible with generator or untilty power
- Remote control, RS232/485 protocol
- integrate GPRS/Wifi/GSM/3G control optional

Specifications

	Single phase inverter	Three phase inverter
Max input DC voltage	450VDC	800VDC
Recommended MPPT voltage range	250～350VDC	450~600VDC
Recommended input operation voltage (Vmpp)	310VDC	540VDC
Input voltage	Single phase 220V (-15%~30%)	Three phase 380V (-15%~30%)
Rated output voltage	1PH or 3PH 220V~240V	3PH 380V
Output frequency	0~600.00Hz（Default: 0~50.00Hz）	0~600.00Hz（Default: 0~50.00Hz）
IP grade	IP65	IP65

Inverter details

Inverter terminal board

Inverter keypad

Outer plug instruction

Socket	Terminal	Wire description		Connection Description
	PV Input Positive	Red wire single strand		connected positive pole of PV array
	PV Input Negative	Black wire single strand		connected negative pole of PV array
	AC Input	3 Core Wire	Red Wire	L1 Phase
			Green Wire	L2 Phase
			Yellow Wire	L3 Phase
	AC Output	4 Core Wire	Black	U Phase
			Black	V Phase
			Black	W Phase
			Yellow-green	Ground
	Sensor	5 Core Wire	Yellow Wire	The high level of tank sensor
			Orange Wire	The low level of tank sensor
			Red Wire	The high level of reservoir sensor
			Black	The low level of reservoir
			Brown Wire	—

Model Selection

Solar Pump Inverter					Solar Panel	AC Pump
Model	Rated Power(KW)	Max. DC Input Current(A)	Rated Output Current(A)	Rated Output Voltage(V)	DC Power (KW)	Rated Power(KW)
API750S	0.75	8.2	4.0	Single PH 220	1.5	0.45
API1500S	1.5	14.0	7.0	Single PH 220	2.5	0.75
API2200S	2.2	23.0	9.6	Single PH 220	4.0	1.5
API4000S	4.0	35.0	17.0	Single PH 220	6.0	2.2
API750L	0.75	8.2	4.0	3PH220	1.5	0.45
API1500L	1.5	14.0	7.0	3PH220	2.5	0.75
API2200L	2.2	23.0	9.6	3PH220	4.0	1.5
API4000L	4.0	35.0	17.0	3PH220	6.0	2.2
API750H	0.75	3.4	2.5	3PH380	0.825	0.75
API1500H	1.5	5.0	3.8	3PH380	2.25	1.5
API2200H	2.2	5.8	5.1	3PH380	3.3	2.2
API4000H	4	10.5	9.0	3PH380	6	4
API5500H	5.5	14.6	13.0	3PH380	8.25	5.5
API7500H	7.5	20.5	17.0	3PH380	11.25	7.5
API11000H	11	26.0	25.0	3PH380	16.5	11
API15000H	15	35.0	32.0	3PH380	20	15
API18000H	18	38.5	37.0	3PH380	24	18.5
API22000H	22	46.5	45.0	3PH380	29	22
API30000H	30	62.0	60.0	3PH380	39	30

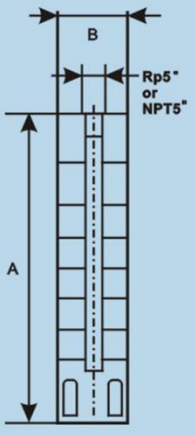
8CS & 8CSS Series 8" Casting Stainless Steel Submersible Borehole Pump

PUMP IDENTIFICATION CODE
For Example

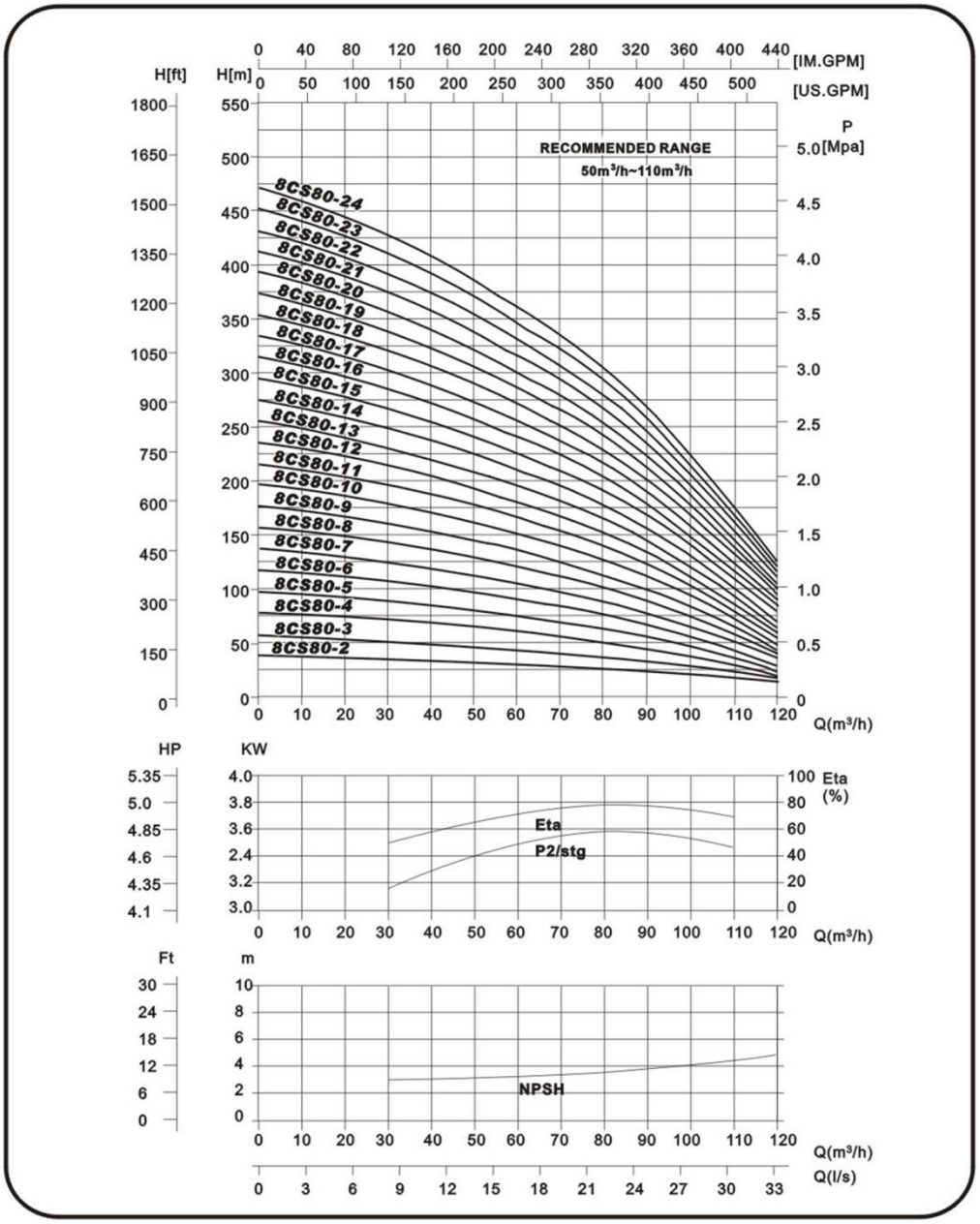
8 CS(S) 100 - 15

- 8 — Well diameter:8" (200mm)
- CS(S) — Pump type for 50Hz(60Hz)
- 100 — Naminal flow rate in m^3/h
- 15 — No. Of stages

8"Submersible Pump **8CS80** 50Hz 2900rpm

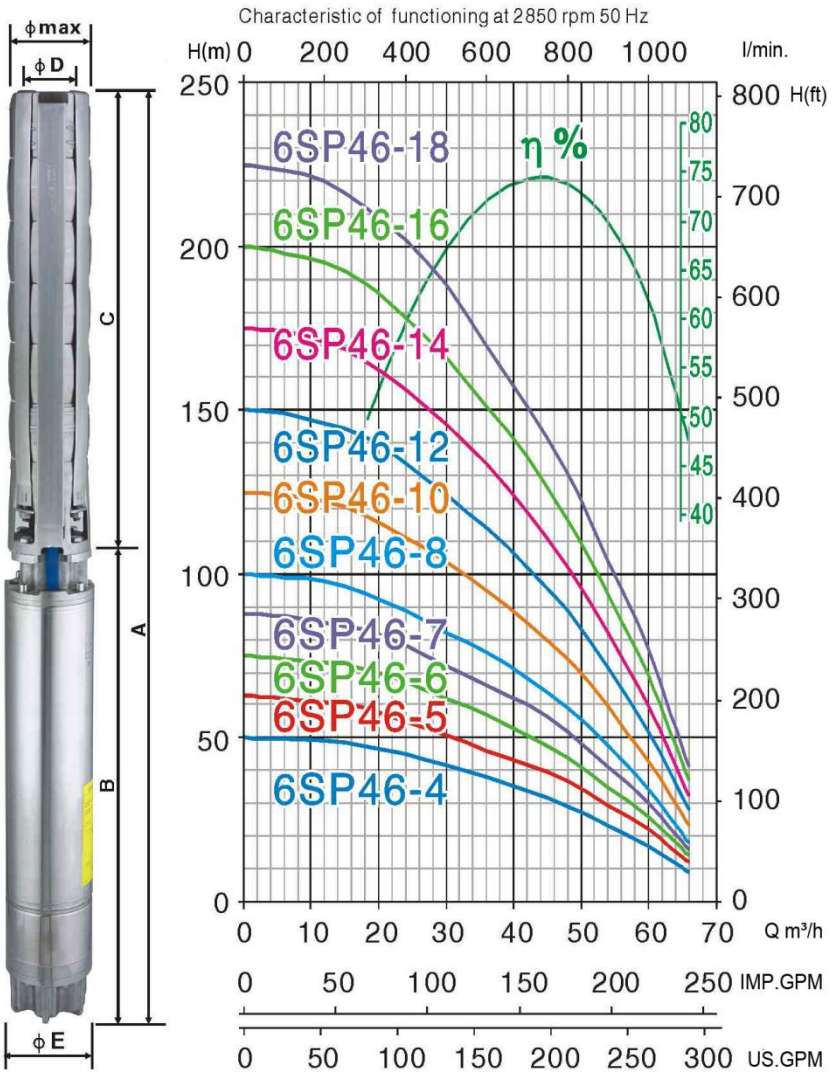


Performance curve



Pump Type	Motor			Dimension(mm)		Net Weight(kg)
	Type	Power		Pump		Pump
		KW	HP	A	B(max)	
8CS80-2	6"Motor	7.5	10	625	170	29
8CS80-3	6"Motor	11	15	751	170	35.5
8CS80-4	6"Motor	15	20	877	170	42
8CS80-5	6"Motor	18.5	25	1003	170	48.5
8CS80-6	6"Motor	22	30	1129	170	55
8CS80-7	6"Motor	30	40	1255	170	61.5
8CS80-8	6"Motor	30	40	1381	170	68
8CS80-9	6"Motor	30	40	1507	170	74.5
8CS80-10	8"Motor	37	50	1633	170	82
8CS80-11	8"Motor	37	50	1759	170	88.5
8CS80-12	8"Motor	45	60	1890	170	95
8CS80-13	8"Motor	55	75	2016	170	101.5
8CS80-14	8"Motor	55	75	2142	170	108
8CS80-15	8"Motor	55	75	2268	170	114.5
8CS80-16	8"Motor	75	100	2394	170	121
8CS80-17	8"Motor	75	100	2520	170	127.5
8CS80-18	8"Motor	75	100	2646	170	134
8CS80-19	8"Motor	75	100	2772	170	140.5
8CS80-20	8"Motor	75	100	2898	170	147
8CS80-21	8"Motor	75	100	3024	170	153.5
8CS80-22	8"Motor	93	125	3150	170	160
8CS80-23	8"Motor	93	125	3276	170	166.5
8CS80-24	8"Motor	93	125	3402	170	173

PUMP - 6SP46



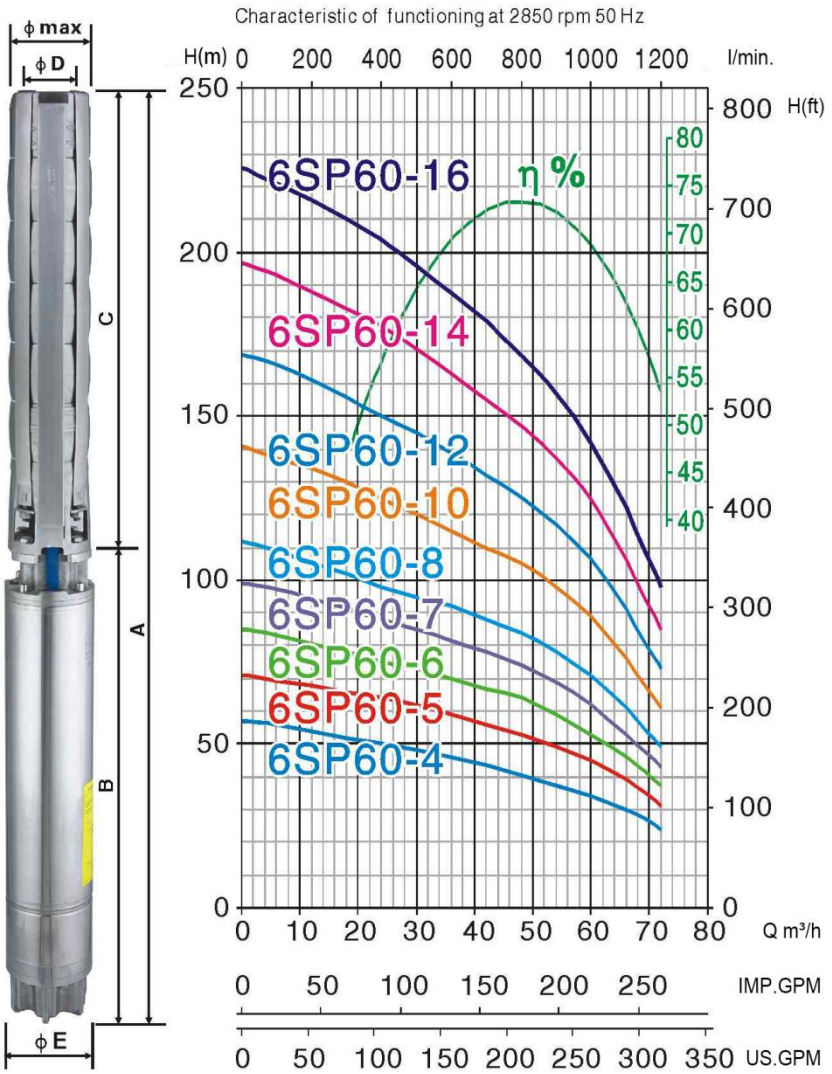
PUMP MATERIALS

Part	Material
Shaft	AISI304
Check valve	AISI304
Coupling	AISI304
Pump body	AISI304
Impeller	AISI304
Diffuser	AISI304
Bearing	Wear resistant rubber
Suction strainer	AISI304
Suction support	AISI304
Delivery body	AISI304

Type	A	B	C	D	E	ϕMax
6SP46-4	1505.2	783	722.2	3"G	144	145
6SP46-5	1618	783	835	3"G	144	145
6SP46-6	1760.8	813	947.8	3"G	144	145
6SP46-7	1898.6	838	1060.6	3"G	144	145
6SP46-8	2041.4	868	1173.4	3"G	144	145
6SP46-10	2322	923	1399	3"G	144	145
6SP46-12	2597.6	973	1624.6	3"G	144	145
6SP46-14	2873.2	1023	1850.2	3"G	144	145
6SP46-16	3143.8	1068	2075.8	3"G	144	145
6SP46-18	3424.4	1123	2301.4	3"G	144	145

Type	Motor Power		Three phase 380V	Q	Capacity							
				m^3/h	0	24	30	36	42	48	54	66
				l/min	0	400	500	600	700	800	900	1100
(50Hz)	HP	kW	A	H m	Total head in meters							
6SP46-4	10	7.5	17		50	44	40	37	34	30	23	9
6SP46-5	10	7.5	17		63	55	51	46	42	37	29	12
6SP46-6	12.5	9.2	21		75	67	62	57	51	44	35	14
6SP46-7	15	11	24		88	78	72	66	60	52	41	16
6SP46-8	17.5	13	28		100	89	82	76	68	59	46	18
6SP46-10	20	15	32		125	111	104	94	85	74	58	23
6SP46-12	25	18.5	40		150	134	124	114	102	89	70	28
6SP46-14	30	22	46		175	155	144	133	119	102	81	32
6SP46-16	35	26	54		200	178	166	151	136	118	93	37
6SP46-18	40	30	62		225	202	188	170	151	131	104	41

PUMP - 6SP60



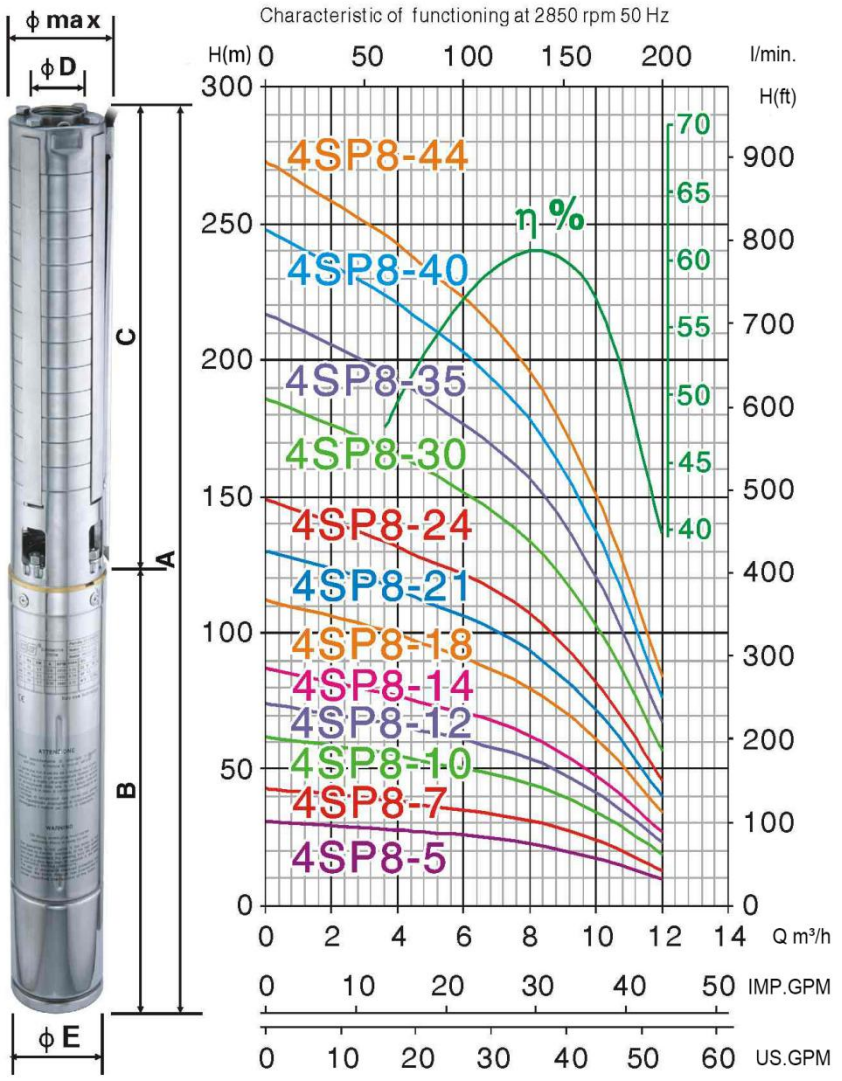
PUMP MATERIALS

Part	Material
Shaft	AISI304
Check valve	AISI304
Coupling	AISI304
Pump body	AISI304
Impeller	AISI304
Diffuser	AISI304
Bearing	Wear resistant rubber
Suction strainer	AISI304
Suction support	AISI304
Delivery body	AISI304

Type	A	B	C	D	E	ϕMax
6SP60-4	1505.2	783	722.2	3"G	144	145
6SP60-5	1648	813	835	3"G	144	145
6SP60-6	1785.8	838	947.8	3"G	144	145
6SP60-7	1928.6	868	1060.6	3"G	144	145
6SP60-8	2096.4	923	1173.4	3"G	144	145
6SP60-10	2372	973	1399	3"G	144	145
6SP60-12	2647.6	1023	1624.6	3"G	144	145
6SP60-14	2918.2	1068	1850.2	3"G	144	145
6SP60-16	3198.8	1123	2075.8	3"G	144	145

Type	Motor Power		Three phase 380V	Q	Capacity							
				m³/h	0	24	36	42	48	54	60	72
				l/min	0	400	600	700	800	900	1000	1200
(50Hz)	HP	kW	A		Total head in meters							
6SP60-4	10	7.5	17		57	50	45	42	39	37	34	24
6SP60-5	12.5	9.2	21		71	64	59	56	53	49	45	31
6SP60-6	15	11	24	H	85	75	70	67	64	59	53	37
6SP60-7	17.5	13	28		99	88	81	78	74	69	62	43
6SP60-8	20	15	32	m	112	98	92	88	84	78	71	49
6SP60-10	25	18.5	40		141	125	115	110	105	98	89	61
6SP60-12	30	22	46		169	150	139	132	126	118	107	73
6SP60-14	35	26	54		197	175	160	152	145	137	125	85
6SP60-16	40	30	62		226	204	185	176	166	157	142	98

PUMP - 4SP8



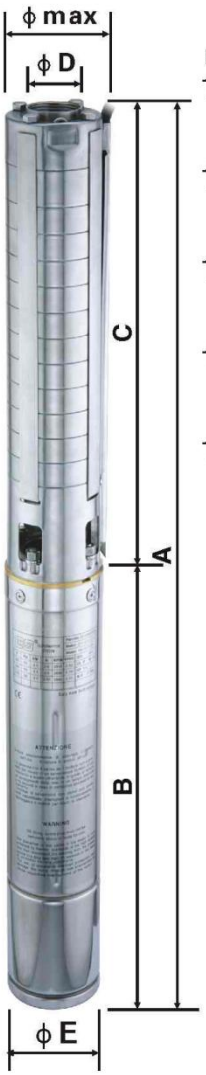
PUMP MATERIALS

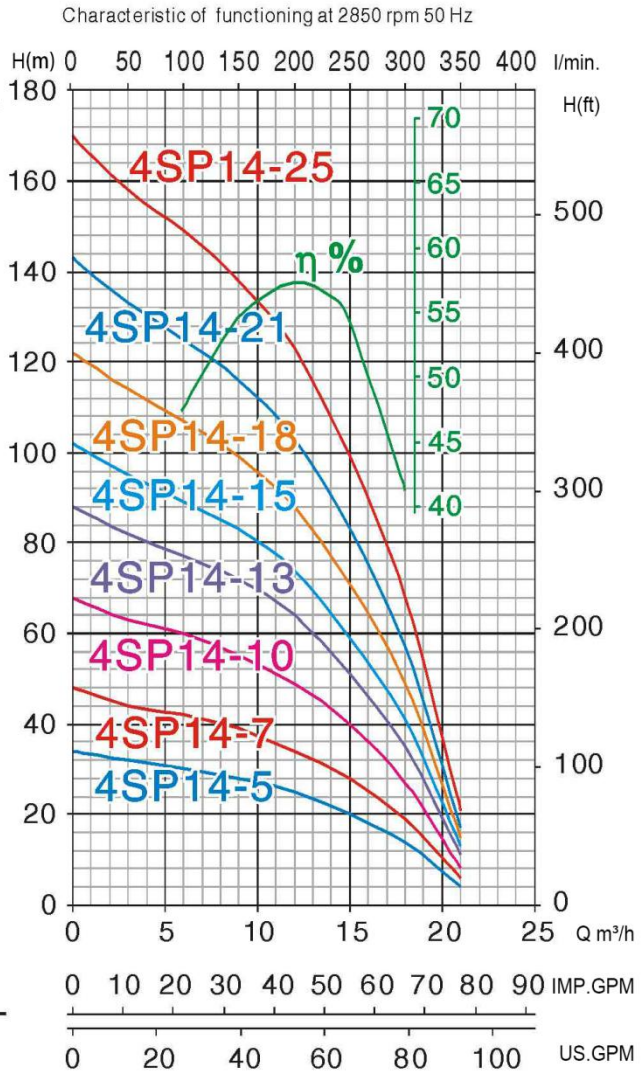
Part	Material
Shaft	AISI304
Coupling	AISI304
Check valve	AISI304
Pump body	AISI304
Impeller	AISI304
Diffuser	AISI304
Bearing	Wear resistant rubber
Suction strainer	AISI304
Suction support	AISI304
Delivery body	AISI304

Type	A	B	C	D	E	ϕMax
4SP8-5	678.5	386	292.5	2"G	95	93
4SP8-7	753.5	406	347.5	2"G	95	93
4SP8-10	871	441	430	2"G	95	93
4SP8-12	986	501	485	2"G	95	93
4SP8-14	1041	501	540	2"G	95	93
4SP8-18	1211	561	650	2"G	95	93
4SP8-21	1333.5	601	732.5	2"G	95	93
4SP8-24	1416	601	815	2"G	95	93
4SP8-30	1701	721	980	2"G	95	93
4SP8-35	1838.5	721	1117.5	2"G	95	93
4SP8-40	2096	841	1255	2"G	95	93
4SP8-44	2206	841	1365	2"G	95	93

Type	Motor Power		Three phase 380V	Single phase 220V			Q	Capacity						
							m³/h	0	3.6	4.8	6.6	8.4	10.2	12
							l/min	0	60	80	110	140	170	200
(50Hz)	HP	kW	A	A	μF	VC		Total head in meters						
4SP8-5	1	0.75	2.5	6.3	30	450		31	28	27	25	22	17	10
4SP8-7	1.5	1.1	3.4	8.6	40	450		43	39	37	34	30	23	13
4SP8-10	2	1.5	4.4	10	50	450		62	56	53	49	43	33	19
4SP8-12	3	2.2	6.2	14	60	450	H	74	67	64	59	52	40	23
4SP8-14	3	2.2	6.2	14	60	450	m	87	78	74	69	60	46	27
4SP8-18	4	3	8.3	-	-	-		112	101	95	88	77	59	34
4SP8-21	5.5	4	10.3	-	-	-		130	118	111	103	90	69	40
4SP8-24	5.5	4	10.3	-	-	-		149	134	127	118	103	79	46
4SP8-30	7.5	5.5	14	-	-	-		186	168	159	147	129	99	57
4SP8-35	7.5	5.5	14	-	-	-		217	196	186	171	151	116	67
4SP8-40	10	7.5	18.5	-	-	-		248	224	212	196	172	132	76
4SP8-44	10	7.5	18.5	-	-	-		273	246	233	216	189	145	84

PUMP - 4SP14





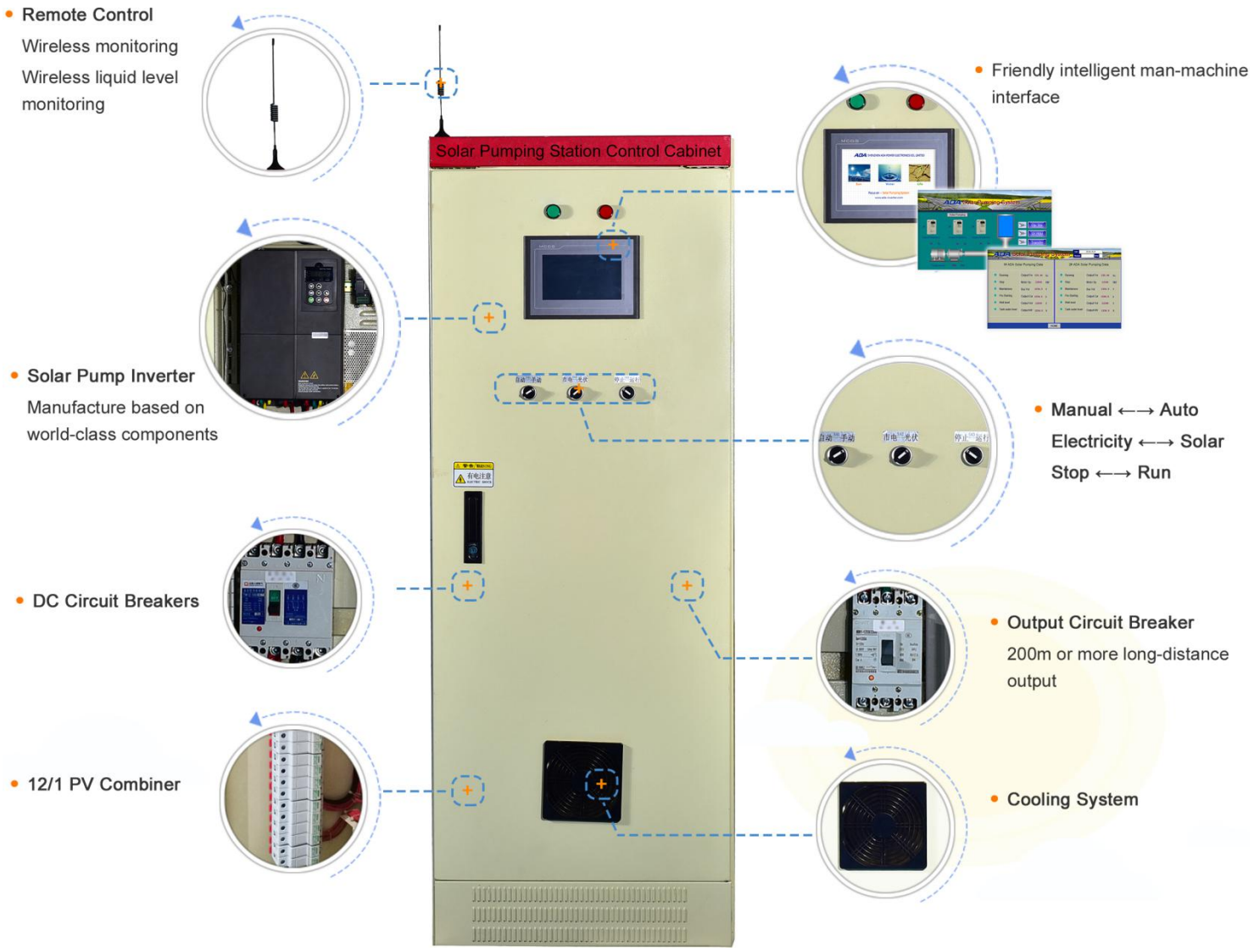
PUMP MATERIALS

Part	Material
Shaft	AISI304
Coupling	AISI304
Check valve	AISI304
Pump body	AISI304
Impeller	AISI304
Diffuser	AISI304
Bearing	Wear resistant rubber
Suction strainer	AISI304
Suction support	AISI304
Delivery body	AISI304

Type	A	B	C	D	E	ϕMax
4SP14-5	806	441	365	2"G	95	93
4SP14-7	950	501	449	2"G	95	93
4SP14-10	1136	561	575	2"G	95	93
4SP14-13	1302	601	701	2"G	95	93
4SP14-15	1506	721	785	2"G	95	93
4SP14-18	1632	721	911	2"G	95	93
4SP14-21	1878	841	1037	2"G	95	93
4SP14-25	2046	841	1205	2"G	95	93

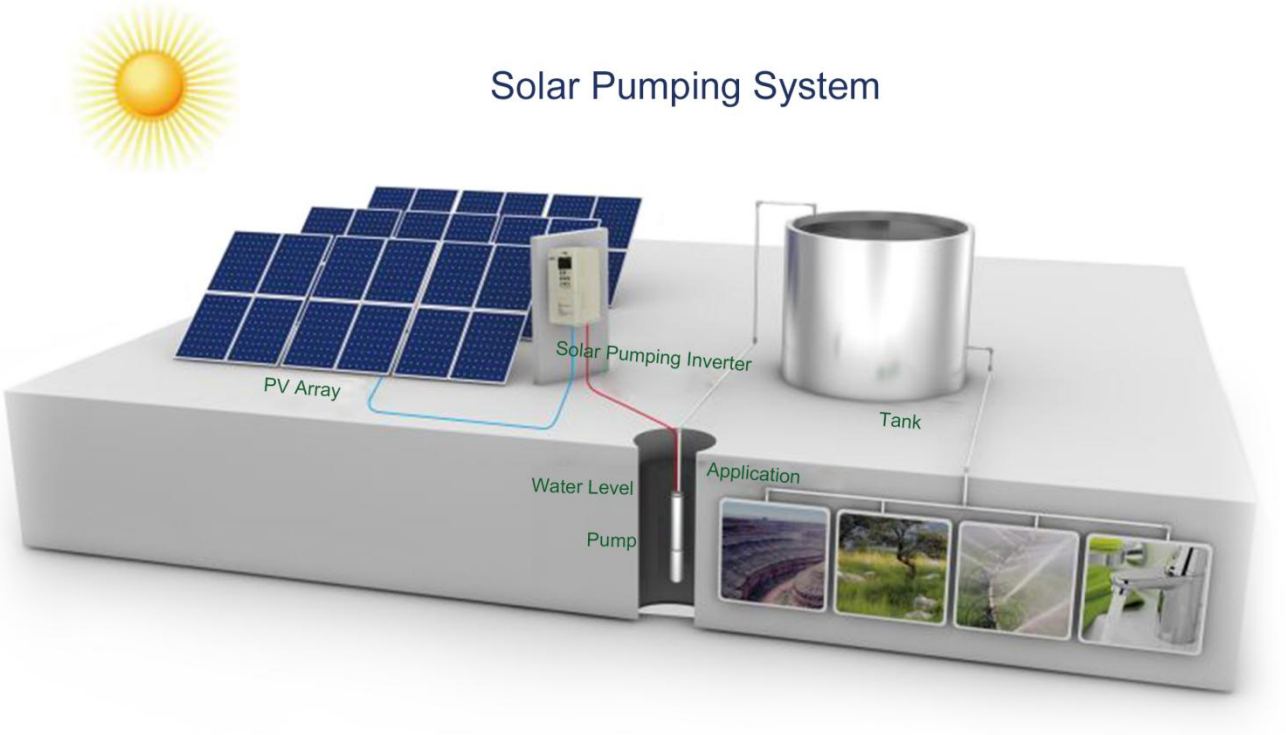
Type	Motor Power		Three phase 380V	Single phase 220V			Q	Capacity							
							m³/h	0	3	6	9	12	15	18	21
							l/min	0	50	100	150	200	250	300	350
(50Hz)	HP	kW	A	A	μF	VC		Total head in meters							
4SP14-5	2	1.5	4.4	10	50	450		34	32	30	28	25	20	14	4
4SP14-7	3	2.2	6.2	14	60	450		48	44	42	39	34	28	19	6
4SP14-10	4	3	8.3	-	-	-	H	68	63	60	55	49	40	27	8
4SP14-13	5.5	4	10.3	-	-	-	m	88	82	77	72	64	51	35	11
4SP14-15	7.5	5.5	14	-	-	-		102	95	89	83	74	59	41	13
4SP14-18	7.5	5.5	14	-	-	-		122	114	107	99	88	71	49	15
4SP14-21	10	7.5	18.5	-	-	-		143	133	125	116	103	83	57	17
4SP14-25	10	7.5	18.5	-	-	-		170	158	149	138	123	99	68	21

System Integration - IoT Solar Pumping Station



Features

- HMI combiner & solar pump inverter
- 12/1 PV combiner with anti reverse connection
- Special fuse for PV DC 1200V
- Form 750W~110kW as standard
- Non-standard design with PLC and hardware
- Output reactor optional for long distance pump (200m above)
- Diesel generator & grid power supply as optional, fulfil the water supply in all different weather
- Lightning protection for PV+ PV-
- IP54, IP42 design as request
- DC circuit breaker for system safty



The Solar Pumping System has 3 key componets: PV Array, Solar Pumping Inverter and AC Pump.

PV Array (Ploy)

Power	0~320W
Open circuit voltage	21.5~45.7V
Power voltage	18~37.7V
Short circuit current	0.62~8.94A
Output tolerance	±3%

Solar Pumping Inverter

Max. input DC voltage	450VDC, 750VDC
Recommended MPPT voltage range	250~350VDC, 450~600VDC
Recommended input voltage (Vmpp)	300~330VDC, 500~540VDC
Rated output voltage	1AC/3AC 380~415V
Output frequency range	0~600Hz

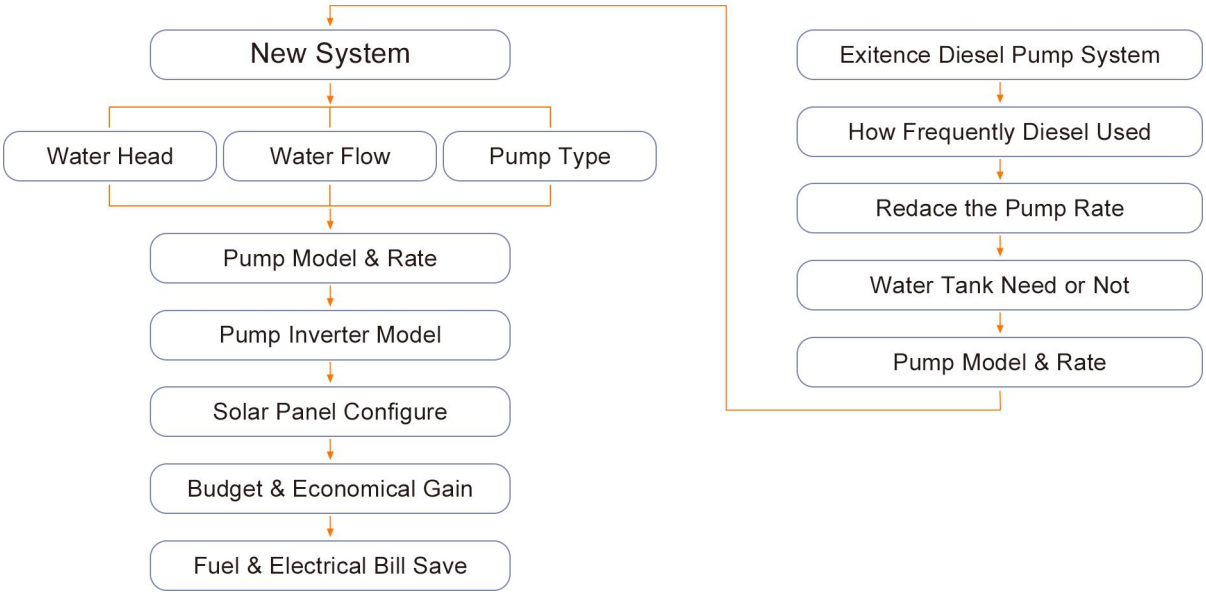
AC Pump

Flow rate	0.6-240m^3/h
Water head	4-681m
Liquid temp	max, +35℃
Voltage	220V/380V
Material	stainless steel

Solar Pumping System Configuration Guidance

For the optimal pumping solution, we need following:

- Installation place (the sunshine situation)
- Daily water requirement
- Water head
- New system or change the diesel to solar power



Solar Pump Quick Selection Guidance

Pump Rates / Water Require / Water Head	12 (m³/day)	18 (m³/day)	30 (m³/day)	42 (m³/day)	60 (m³/day)	84 (m³/day)	120 (m³/day)	180 (m³/day)	240 (m³/day)	300 (m³/day)	360 (m³/day)	480 (m³/day)	600 (m³/day)
10m			0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	4.0	5.5	7.5
20m	0.37	0.37	0.75	0.75	1.5	2.2	3.0	4.0	5.5	5.5	7.5	9.2	13.0
30m	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	9.2	11.0	15.0	18.5
50m	0.75	1.1	1.5	2.2	3.0	4.0	7.5	9.2	11.0	13.0	15.0	18.5	30.0
80m	1.1	1.5	2.2	3.0	5.5	7.5	9.2	13.0	15.0	18.5	22.0	30.0	45.0
100m	1.5	2.2	3.0	5.5	5.5	9.2	11.0	15.0	18.5	25.0	30.0	37.0	55.0
120m	2.2	2.2	4.0	5.5	7.5	9.2	13.0	18.5	22.0	30.0	37.0	45.0	63.0
150m	2.2	3.0	5.5	7.5	9.2	11.0	15.0	22.0	30.0	37.0	45.0	55.0	75.0
200m	3.0	4.0	7.5	9.2	11.0	15.0	22.0	30.0	45.0	55.0	55.0	75.0	90.0
250m	4.0	5.5	7.5	11.0	15.0	22.0	25.0	37.0	55.0	63.0	75.0	90.0	110.0
300m	5.5	7.5	11.0	13.0	18.5	25.0	37.0	55.0	63.0	75.0	90.0	110.0	140.0
350m	5.5	9.2	11.0	15.0	22.0	25.0	37.0	55.0	75.0	90.0	110.0	140.0	160.0
400m	7.5	11.0	13.0	18.5	25.0	30.0	45.0	63.0	90.0	110.0	120.0		

Pump Selection Mark:

※ Get Water Requirement data. For example, if the Water Read 80m, 120m³ /day, then 9.2kW pump.

※ According to pump selection, the choose inverter & panel configuration.

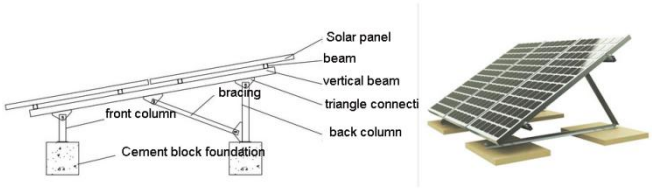
※ This data sheet is 6 Rours/day effective sunshine. You can adjust the figure according to installation place.

※ This data sheet is submersible pump, if other type, then change the system configuration accordingly.

※ If need bigger Water Read or Water Requirement. We can design Multi-stage or Multi-Pump Irrigation.

Solar Pumping System Accessories/Annex

Solar Mounting Bracket For Solar Panel



Features

- **Easy to install.**

The tilt-in module can be put into the extruded rail from the any location and can be high pre-assembly with the clamp to minimize the time and cost of installation. The U bolt with the cap can fix the pipe easy and quick.

- **Offer unmatched durability.**

With all structural components comprised of high class stainless steel, anodized aluminum alloy and the double anticorrosive finish for the steel pipe and cap, it is designed for twenty years service life and backed by ten years warranty.

- **Stand up to extreme weather.**

The grace solar ground mount system is designed to stand up to the extreme weather complied with the AS/NZS 1170 and other international structure load standard by the skilled engineer. The main support components also have been test to guaranty its structure and load-carrying capacity.

- **Provide broad installation flexibility.**

These systems accommodate most commercially available framed solar panels and diverse foundation solution, and they can scale easily from small to large, multi-megawatt installations.

Solar PV Combiner Box

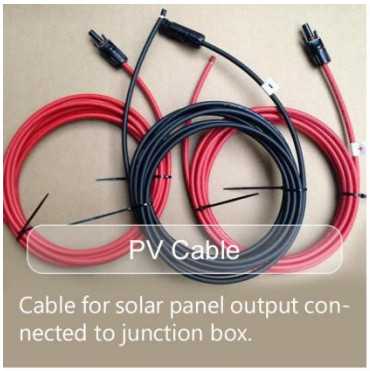
Features

Solar PV Combiner Box provides a means of combining multiple source circuits from the PV array into a single DC output.In the solar pumping system, PV combiner box collects number of PV arrays input and combine inverter in the the PV combiner box.

So，comparig to system without PV combiner box:

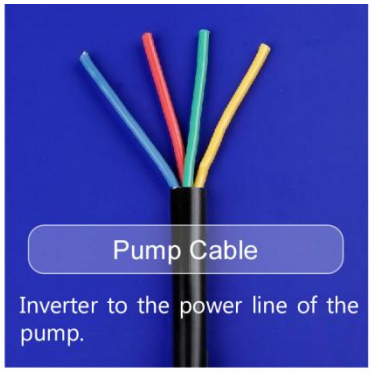
- IP66 design meet the use requirements of outdoor installation，and also enjoy a long life.
- PV-DC high uoltage circuit breakers,pressure capacity of up to 1000V.
- PV module having a specific lightning protection system from lightining damage.
- Simple for Installation and maintenance and more safty，also beatified the whole system (Used common in bids program).

Solar Pumping System Accessories/Annex



PV Cable

Cable for solar panel output connected to junction box.



Pump Cable

Inverter to the power line of the pump.

Threading Pipe

Protection pump cable.

Galvanized Stell Pipe

Transporting water.

Check Valve

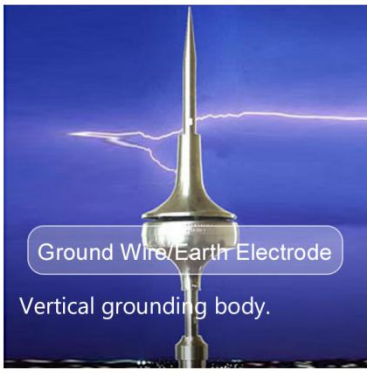
Inlet/outlet pipes of tanks.

Flange/Elbow

Pipe Elbow Flange/Elbow.

Fixed Lock

Stainless steel wire rope/Fixed lock.



Ground Wire/Earth Electrode

Vertical grounding body.

PVC Water Sucton Hose

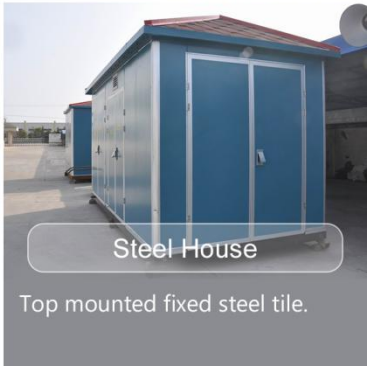
PVC water sucton hose.

Float Switch

Detection of water level, to prevent pump dry pumping.

PVC Check Valve

Resistant to acid and alkali medium connection: flange.



Steel House

Top mounted fixed steel tile.

Engineering Tools

Water Detection Instrument

Upto 300m water detector.

Digital Flowmeter

Flow measurement of open water flow is possible.

Compass

Compass serves as theodolite for simple terrain surveys.

Levelling Instrument

Both ends of the project to measure the level of high and low.