



APPLICATION



GARDENING



IRRIGATION



WASHING



SHALLOW WELL



HIGHLIFT



HOME SWIMMING POOL

For water supply from wells or reservoirs

For domestic use, for civil and industrial applications

For garden use and irrigation

SSCO DC

MPPT CONTROLLER SOLAR PUMP SERIES

www.aquapumps.co.za



Large Flow
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency
and energy saving



Super durability



SSCO DC MPPT CONTROLLER

-  Running Speed Control
-  Short-Circuit Protection
-  MPPT
-  Stop
-  Soft Starting Protection
-  Reverse Voltage Protection
-  Low-voltage / Over-voltage Protection
-  Over Current Protection

APPLICATION



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



SSCO CONTROLLER PERFORMANCE DATA

Item		SSCO_YDC24	SSCO_YDC48	SSCO_YDC72	SSCO_YDC96	SSCO_YDC11	SSCO_YDC15	SSCO_YDC20	SSCO_YDC30
Rated Voltage		24V DC	48V DC	72V DC	96V DC	110V DC	150V DC	200 VDC	300 VDC
Rated Current		15A	15A	15A	15A	15A	12A	12A	12A
Biggest open voltage(VOC)		80V DC	150V DC	200V DC	200V DC	250V DC	300V DC	350V DC	400V DC
Max Power		600W	900W	1300W	1600W	1800W	1600W	1800W	2500W
Voltage	Under Voltage	18.0±0.2VDC	30.0±0.2VDC	50.0±0.2VDC	60.0±0.2VDC	70.0±0.2VDC	120.0±0.2VDC	160.0±0.2VDC	220.0±0.2VDC
	Best Working Voltage	30±0.2VDC	60±0.2VDC	90±0.2VDC	110±0.2VDC	120±0.2VDC	150±0.2VDC	200±0.2VDC	300±0.2VDC
Current	Overload	20A	20A	20A	20A	20A	15A	15A	15A
	Over current	25A	25A	25A	25A	25A	20A	20A	20A
Dimension		220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm	220*200*90mm
Weight		2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg	2.10kg
Ambient Temperature		-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃	-20℃+50℃
Adaptive Solar Panel	Peak Voltage	29.8VDC	29.8VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC	35.6VDC
	Open-circuit Voltage	36.9VDC	36.9VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC	43.5VDC

S3SS Solar Submersible Pump Series



01
Outlet
0.75 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

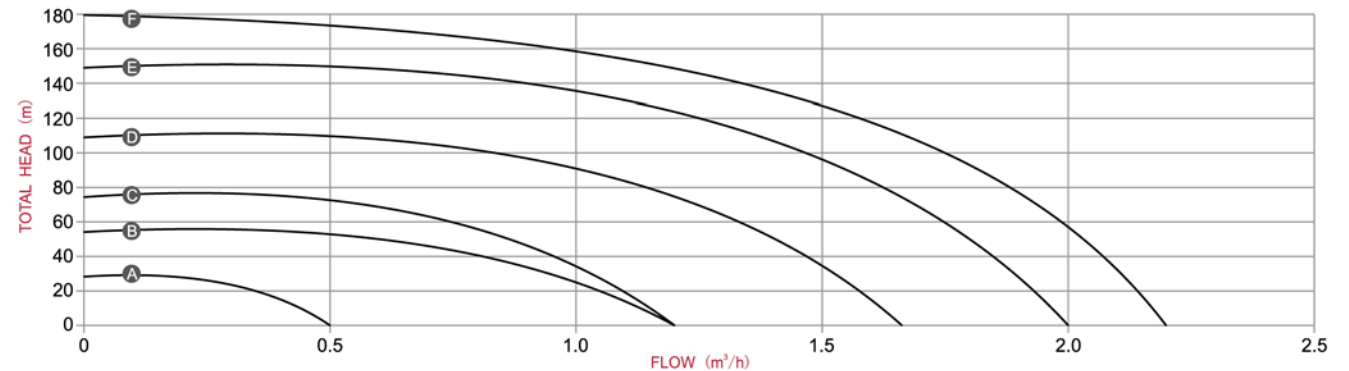


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3SS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3SS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3SS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3SS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3SS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

S4SS Solar Submersible Pump Series



01
Outlet
1.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

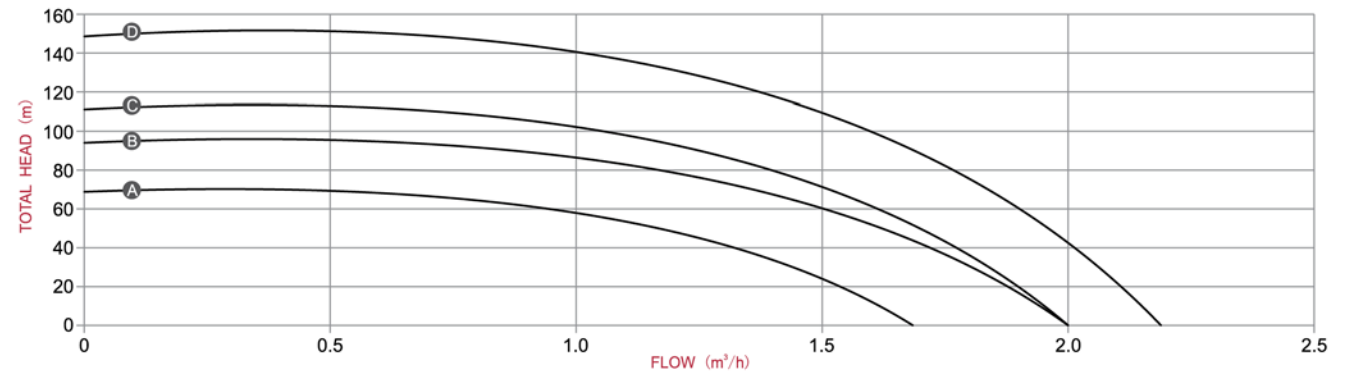


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

S3HS Solar Submersible Pump Series



01
Outlet
0.75 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

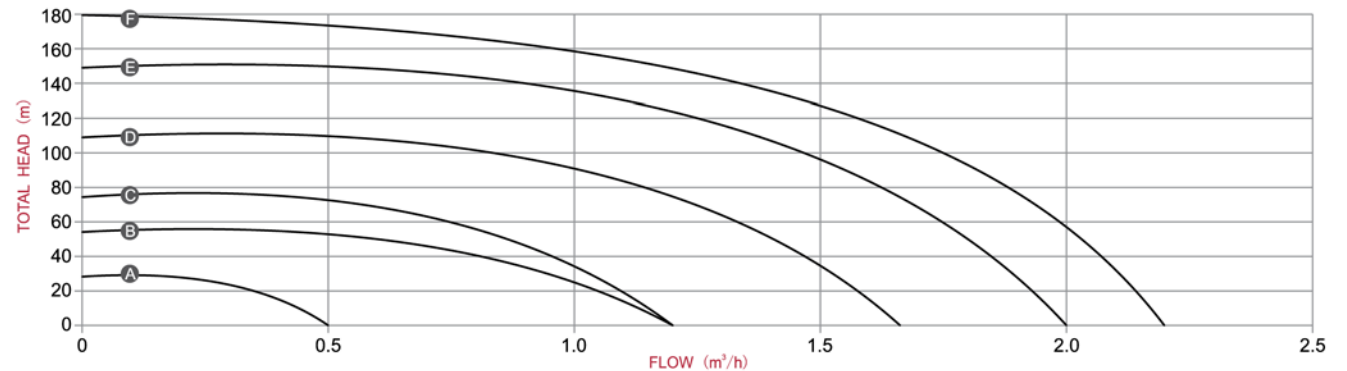


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
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Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3HS0.5-28-12-80	12V	20-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥1.3*PUMP POWER
B	S3HS1.2-56-24-120	24V	30-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥1.3*PUMP POWER
C	S3HS1.2-77-36-210	36V	30-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥1.3*PUMP POWER
D	S3HS1.7-109-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	109m	0.75"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3HS2.0-150-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	150m	0.75"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3HS2.2-180-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.2m³/h	180m	0.75"	2m	<200(300)V	≥1.3*PUMP POWER

S4HS Solar Submersible Pump Series



01
Outlet
1.0 inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

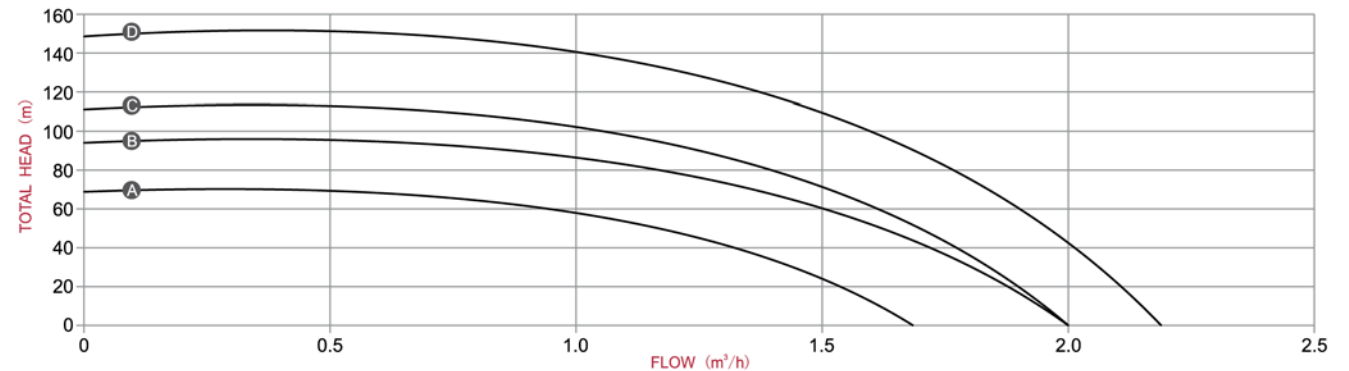


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe, dry running protection
Battery Operation, low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4HS1.7-70-48(72)-500	48(72)V	60-90V (72-120V)	500W	1.7m³/h	70m	1"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4HS2.0-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	2.0m³/h	95m	1"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4HS2.0-110-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	2.0m³/h	110m	1"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4HS2.2-150-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	2.2m³/h	150m	1"	2m	<200(350)V	≥1.3*PUMP POWER

S3PC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 inch
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel AISI 304SS/316SS



03
Bottom support
Stainless Steel AISI 304SS/316SS

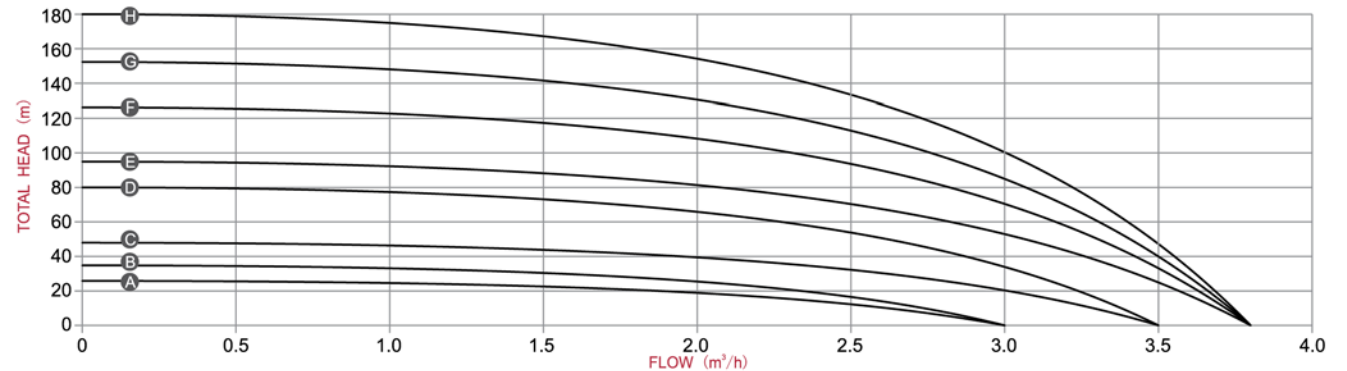
ADVANCED TECHNOLOGY



FREE SPARE PARTS



PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC3-25-24-200	24V	30-48V	200W	3.0m³/h	25m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3PC3-35-24-300	24V	30-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
C	S3PC3.5-47-48-400	48V	60-90V	400W	3.5m³/h	47m	1.25"	2m	<100V	≥1.3*PUMP POWER
D	S3PC3.5-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	3.5m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
E	S3PC3.5-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	3.5m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
F	S3PC3.8-123-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	3.8m³/h	123m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
G	S3PC3.8-155-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	3.8m³/h	155m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S3PC3.8-180-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	3.8m³/h	180m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

S3PC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 inch.
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

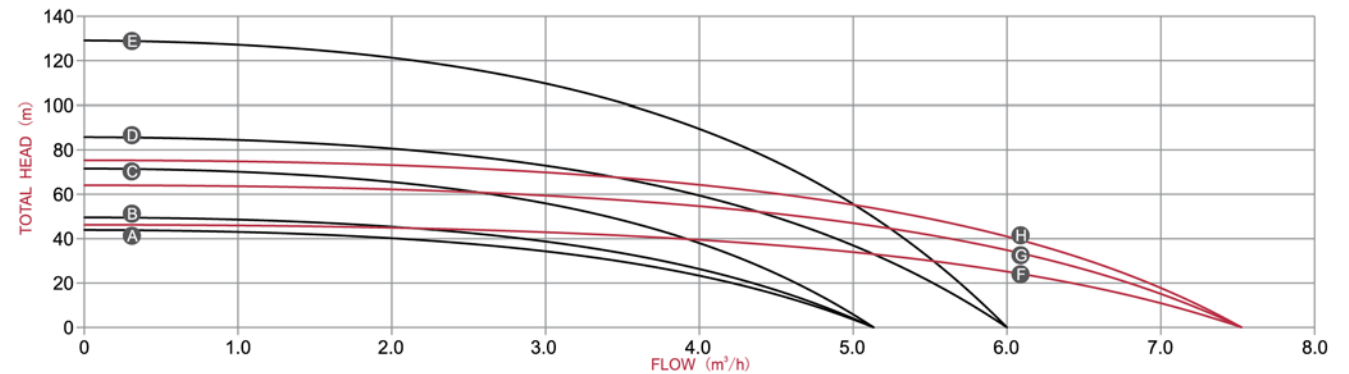


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3PC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
B	S3PC5.2-50-48(72)-600	48(72)V	60-90V (72-120V)	600W	5.2m³/h	50m	1.5"	2m	<100(150)V	≥1.3*PUMP POWER
C	S3PC5.2-75-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	75m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
D	S3PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
E	S3PC6-125-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	125m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER
F	S3PC7.5-43-72(96)-750	72(96)V	90-120V (110-150V)	750W	7.5m³/h	43m	1.5"	2m	<150(200)V	≥1.3*PUMP POWER
G	S3PC7.5-62-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	7.5m³/h	62m	1.5"	2m	<200(300)V	≥1.3*PUMP POWER
H	S3PC7.5-78-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	78m	1.5"	2m	<200(400)V	≥1.3*PUMP POWER

S4PC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 / 2.0 Inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

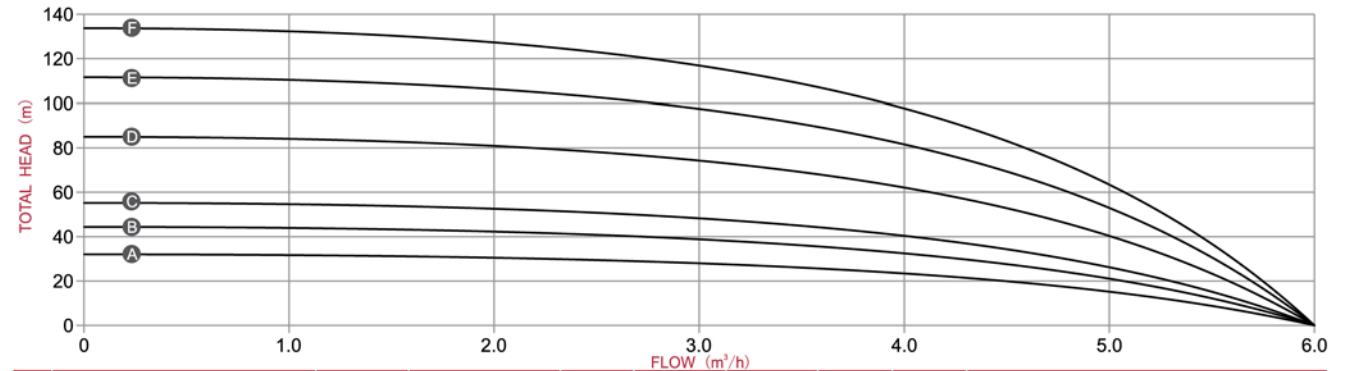


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC6-32-48-400	48V	60-90V	400W	6.0m³/h	32m	1.25"	2m	<100V	≥1.3*PUMP POWER
B	S4PC6-42-48(72)-600	48(72)V	60-90V (72-120V)	600W	6.0m³/h	42m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
C	S4PC6-56-72(96)-750	72(96)V	90-120V (110-150V)	750W	6.0m³/h	56m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
D	S4PC6-84-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	6.0m³/h	84m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
E	S4PC6-112-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	6.0m³/h	112m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
F	S4PC6-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	6.0m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
G	S4PC6-175-300-2200	300V	300-420V	2200W	6.0m³/h	175m	1.25"	2m	<450V	≥1.3*PUMP POWER

S4PC Solar Submersible Pump Series



ADVANCED TECHNOLOGY

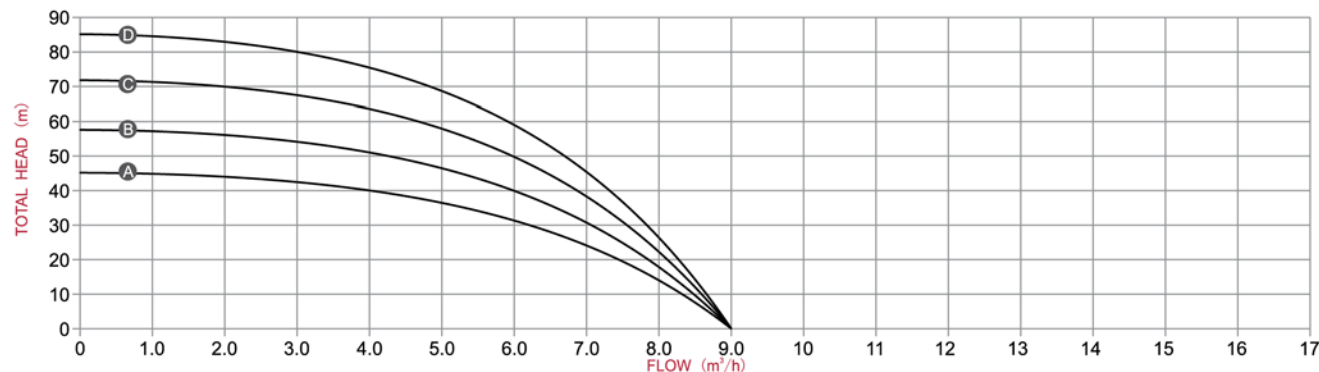


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
 Integrated DSP & MPPT(Maximum Power Point remote control etc.)
 Suitable for Wide DC voltage Operation
 Control inputs for well probe,dry running protection
 Battery Operation,low voltage disconnect for battery Tracking)
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4PC9-45-96-750	96V	110-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1.3*PUMP POWER
B	S4PC9-58-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	9.0m³/h	58m	2"	2m	<200(300)V	≥1.3*PUMP POWER
C	S4PC9-71-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	9.0m³/h	71m	2"	2m	<200(350)V	≥1.3*PUMP POWER
D	S4PC9-85-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	9.0m³/h	85m	2"	2m	<200(400)V	≥1.3*PUMP POWER
E	S4PC9-125-300-2200	300V	300-400V	2200W	9.0m³/h	125m	2"	2m	<450V	≥1.3*PUMP POWER

S4PC Solar Submersible Pump Series



ADVANCED TECHNOLOGY

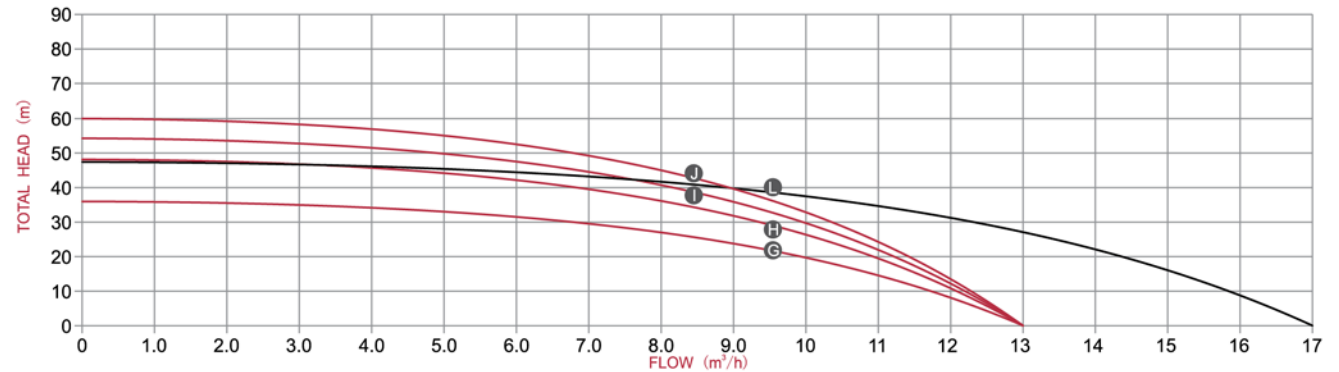


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4PC13-36-96-750	96V	110-150V	750W	13m³/h	36m	2"	2m	<200V	≥1.3*PUMP POWER
H	S4PC13-49-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	13m³/h	49m	2"	2m	<200(300)V	≥1.3*PUMP POWER
I	S4PC13-54-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	13m³/h	54m	2"	2m	<200(350)V	≥1.3*PUMP POWER
J	S4PC13-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	13m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4PC13-110-300-2200	300V	300-400V	2200W	13m³/h	110m	2"	2m	<450V	≥1.3*PUMP POWER
L	S4PC17-48-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	17m³/h	48m	2"	2m	<200(400)V	≥1.3*PUMP POWER

S3SC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

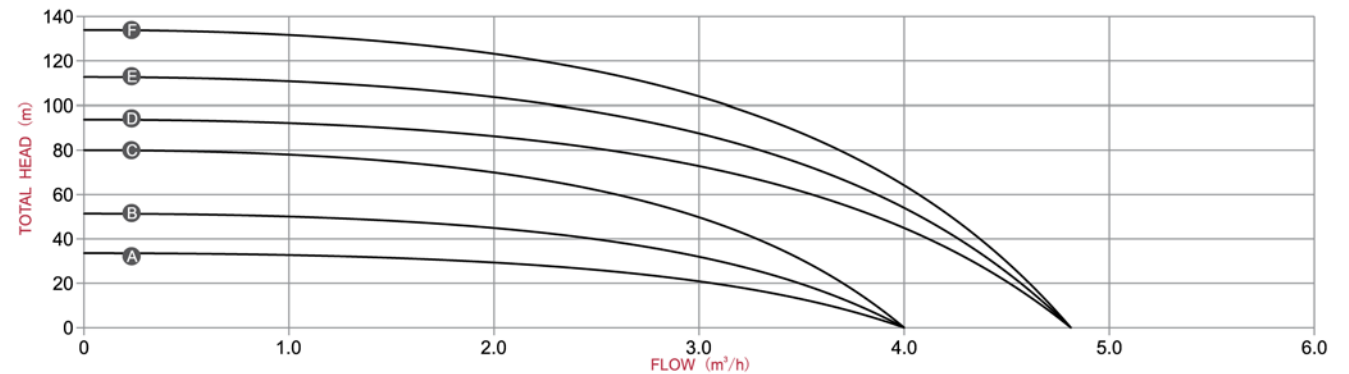


FREE SPARE PARTS



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PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S3SC4-35-24-300	24V	30-48V	300W	4.0m³/h	35m	1.25"	2m	<50V	≥1.3*PUMP POWER
B	S3SC4-50-48-400	48V	60-90V	400W	4.0m³/h	50m	1.25"	2m	<100V	≥1.3*PUMP POWER
C	S3SC4-80-48(72)-600	48(72)V	60-90V (72-120V)	600W	4.0m³/h	80m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
D	S3SC4.8-95-72(96)-750	72(96)V	90-120V (110-150V)	750W	4.8m³/h	95m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
E	S3SC4.8-112-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	4.8m³/h	112m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
F	S3SC4.8-135-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	4.8m³/h	135m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER

S4SC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 / 2.0 inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS



ADVANCED TECHNOLOGY

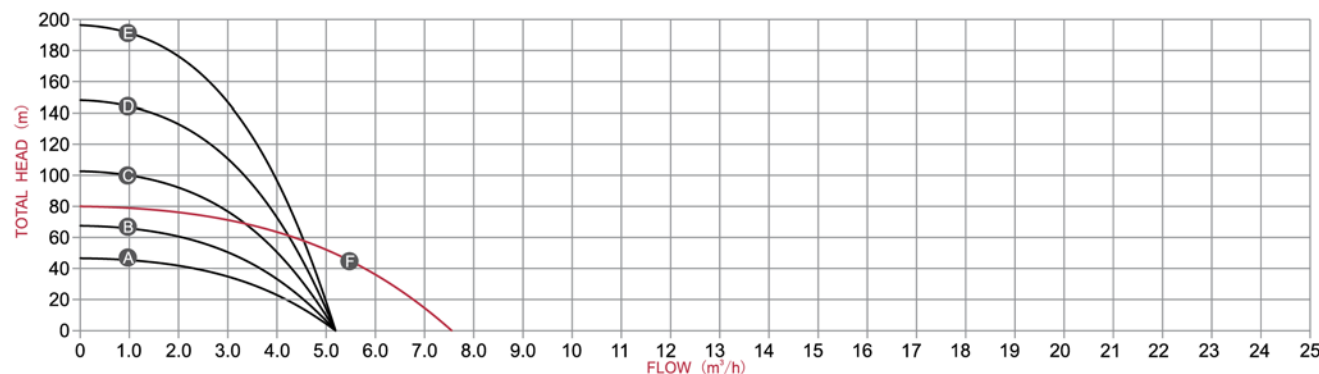


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4SC5.2-45-48(72)-500	48(72)V	60-90V (72-120V)	500W	5.2m³/h	45m	1.25"	2m	<100(150)V	≥1.3*PUMP POWER
B	S4SC5.2-67-72(96)-750	72(96)V	90-120V (110-150V)	750W	5.2m³/h	67m	1.25"	2m	<150(200)V	≥1.3*PUMP POWER
C	S4SC5.2-101-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	5.2m³/h	101m	1.25"	2m	<200(300)V	≥1.3*PUMP POWER
D	S4SC5.2-146-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	5.2m³/h	146m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
E	S4SC5.2-198-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	5.2m³/h	198m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
F	S4SC5.2-255-300-2200	300V	300-400V	2200W	5.2m³/h	255m	1.25"	2m	<450V	≥1.3*PUMP POWER

S4SC Solar Submersible Pump Series



01
Outlet
1.25 / 1.5 / 2.0 Inch,
Stainless Steel AISI 304SS/316SS

02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

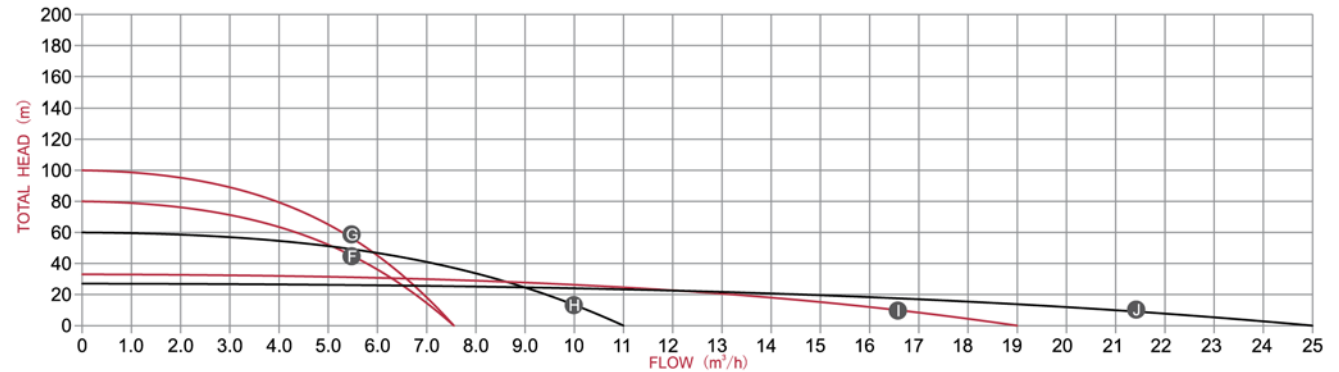


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
G	S4SC7.5-80-110(180)-1300	110(180)V	110-150V (180-250V)	1300W	7.5m³/h	80m	1.25"	2m	<200(350)V	≥1.3*PUMP POWER
H	S4SC7.5-100-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	7.5m³/h	100m	1.25"	2m	<200(400)V	≥1.3*PUMP POWER
I	S4SC7.5-150-300-2200	300V	300-400V	2200W	7.5m³/h	150m	1.25"	2m	<450V	≥1.3*PUMP POWER
J	S4SC11-60-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	11m³/h	60m	2"	2m	<200(400)V	≥1.3*PUMP POWER
K	S4SC19-35-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	19m³/h	35m	2"	2m	<200(400)V	≥1.3*PUMP POWER
L	S4SC25-26-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	25m³/h	26m	2"	2m	<200(400)V	≥1.3*PUMP POWER

S4/6SC Solar Submersible Pump Series



01
Outlet
3.0 Inch,
Stainless Steel AISI 304SS/316SS



02
Inlet
Stainless Steel
AISI 304SS/316SS



03
Bottom support
Stainless Steel
AISI 304SS/316SS

ADVANCED TECHNOLOGY

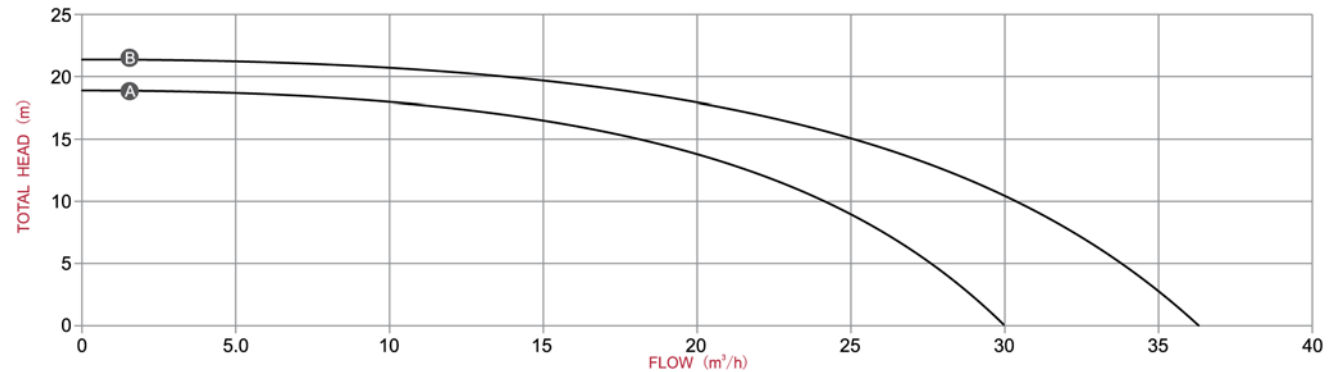


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	S4/6SC30-19-110(150)-1100	110(150)V	110-150V (150-200V)	1100W	30m³/h	19m	3"	2m	<200(300)V	≥1.3*PUMP POWER
B	S4/6SC36-22-110(200)-1500	110(200)V	110-150V (200-300V)	1500W	36m³/h	22m	3"	2m	<200(400)V	≥1.3*PUMP POWER
C	S4/6SC36-38-300-2200	300V	300-400V	2200W	36m³/h	38m	3"	2m	<450V	≥1.3*PUMP POWER

SSQD Solar Submersible Pump Series



01
Outlet
2.0 inch,3.0 inch,4.0 inch,
Cast Iron

02
Inlet
Cast Iron



03
Bottom support
Cast Iron

ADVANCED TECHNOLOGY

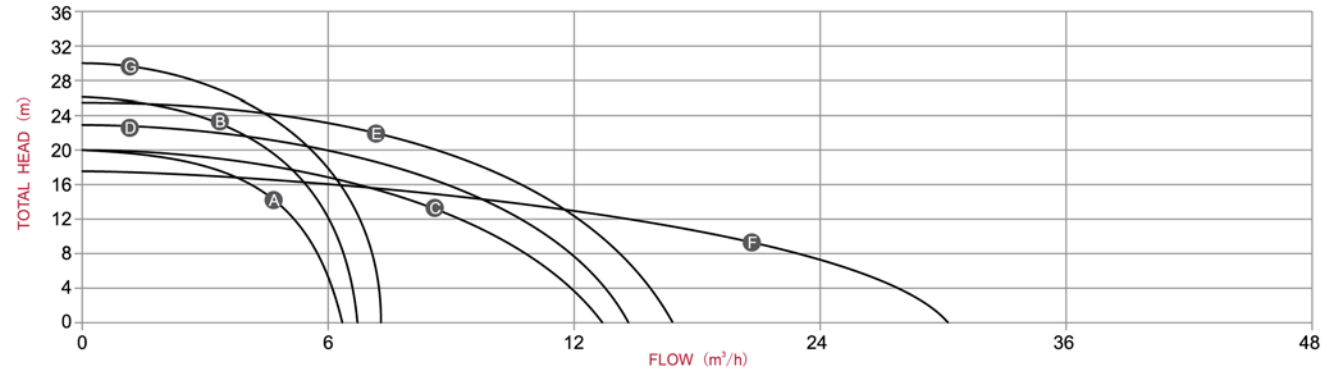


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT(Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe,dry running protection
Battery Operation,low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD6.5-20-72-550	72V	72-120V	550W	6.5m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
B	SSQD7.0-26-96-750	96V	96-150V	750W	7.0m³/h	26m	2"	2m	<200V	≥1.3*PUMP POWER
C	SSQD13-20-72-550	72V	72-120V	550W	13m³/h	20m	2"	2m	<150V	≥1.3*PUMP POWER
D	SSQD14-23-96-750	96V	96-150V	750W	14m³/h	23m	2"	2m	<200V	≥1.3*PUMP POWER
E	SSQD16-25-150-1100	150V	150-200V	1100W	16m³/h	25m	2"	2m	<300V	≥1.3*PUMP POWER
F	SSQD17-30-180-1300	180V	180-250V	1300W	17m³/h	30m	2"	2m	<350V	≥1.3*PUMP POWER
G	SSQD30-8-96-750	96V	96-150V	750W	30m³/h	8m	3"	2m	<200V	≥1.3*PUMP POWER

SSQD Solar Submersible Pump Series



01
Outlet
2.0 inch, 3.0 inch, 4.0 inch,
Cast Iron

02
Inlet
Cast Iron



03
Bottom support
Cast Iron



ADVANCED TECHNOLOGY

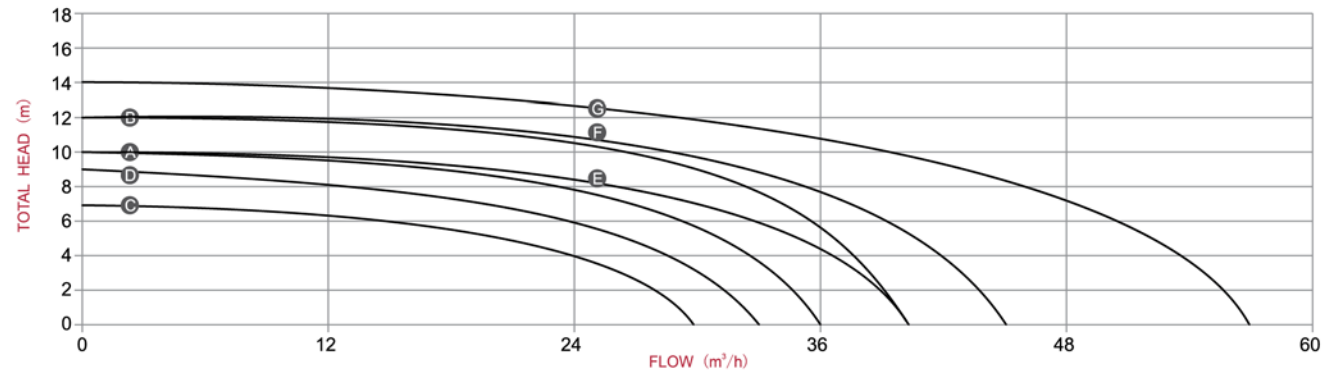


FREE SPARE PARTS



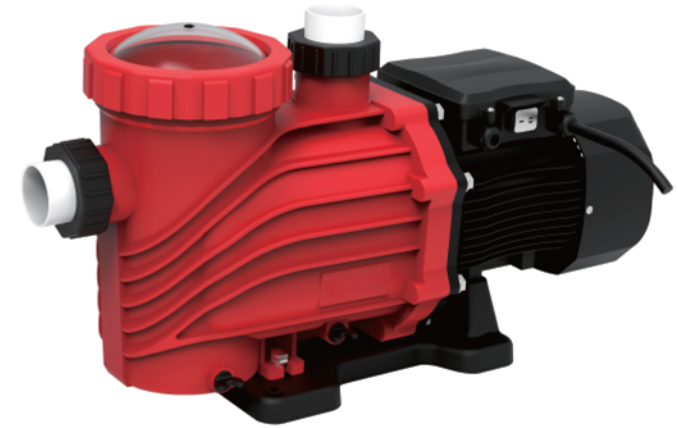
Maintenance-Free Brushless DC Motor
Integrated DSP & MPPT (Maximum Power Point remote control etc.)
Suitable for Wide DC voltage Operation
Control inputs for well probe, dry running protection
Battery Operation, low voltage disconnect for battery Tracking)
Overload and high Adjustable speed control of motor
Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQD36-10-150-1100	150V	150-200V	1100W	36m³/h	10m	3"	2m	<300V	≥1.3*PUMP POWER
B	SSQD40-12-180-1300	180V	180-250V	1300W	40m³/h	12m	3"	2m	<350V	≥1.3*PUMP POWER
C	SSQD30-7-96-750	96V	96-150V	750W	30m³/h	7m	3"	2m	<200V	≥1.3*PUMP POWER
D	SSQD33-9-150-1100	150V	150-200V	1100W	33m³/h	9m	3"	2m	<300V	≥1.3*PUMP POWER
E	SSQD40-10-180-1300	180V	180-250V	1300W	40m³/h	10m	4"	2m	<350V	≥1.3*PUMP POWER
F	SSQD45-12-200-1500	200V	200-300V	1500W	45m³/h	12m	4"	2m	<400V	≥1.3*PUMP POWER
G	SSQD56-14-300-2200	300V	300-400V	2200W	56m³/h	14m	4"	2m	<400V	≥1.3*PUMP POWER

SSSP Solar Surface Pump Series



ADVANCED TECHNOLOGY

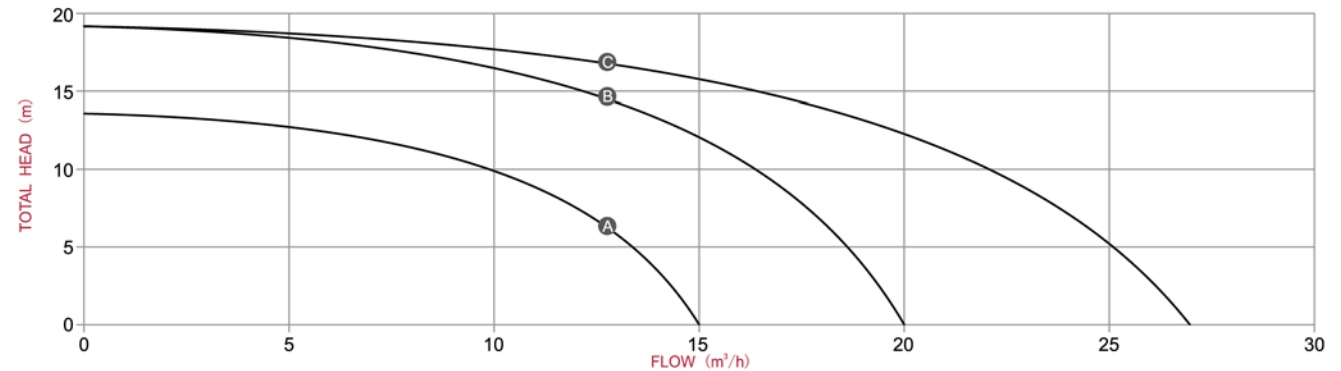


FREE SPARE PARTS



Maintenance-Free Brushless DC Motor
 Integrated DSP & MPPT(Maximum Power Point remote control etc.
 Suitable for Wide DC voltage Operation
 Control inputs for well probe,dry running protection
 Battery Operation,low voltage disconnect for battery Tracking)
 Overload and high Adjustable speed control of motor
 Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSSP15-14-48(72)-500	48(72)V	60-90V(72(96)V-120V)	500W	15m³/h	14m	2×2"	2m	<100V	≥1.3*PUMP POWER
B	SSSP20-19-110-900	110(150)V	110-150V(150-200V)	900W	20m³/h	19m	2×2"	2m	<200V	≥1.3*PUMP POWER
C	SSSP27-19-110-1200	110(150)V	110-150V(150-200V)	1200W	27m³/h	19m	3×3"	2m	<200V	≥1.3*PUMP POWER

SSHF Solar Surface Pump Series



ADVANCED TECHNOLOGY

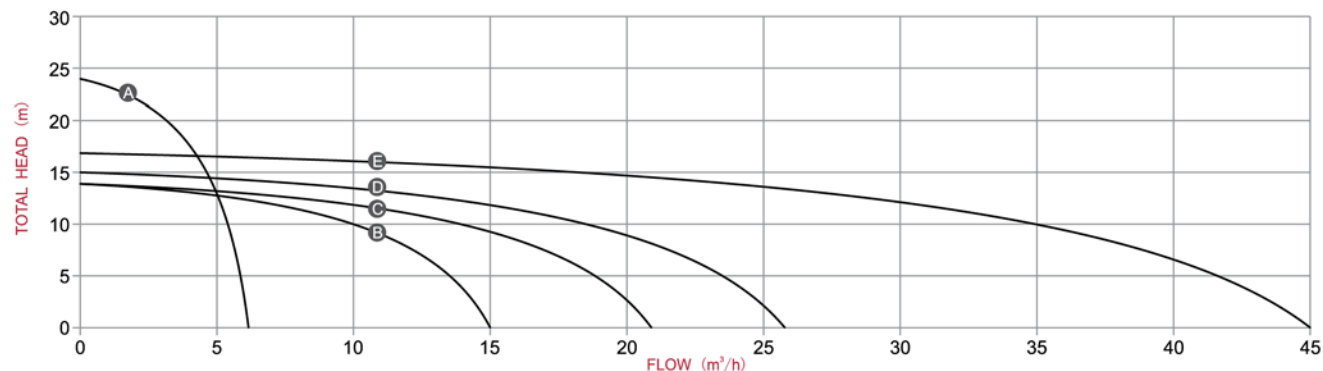


FREE SPARE PARTS



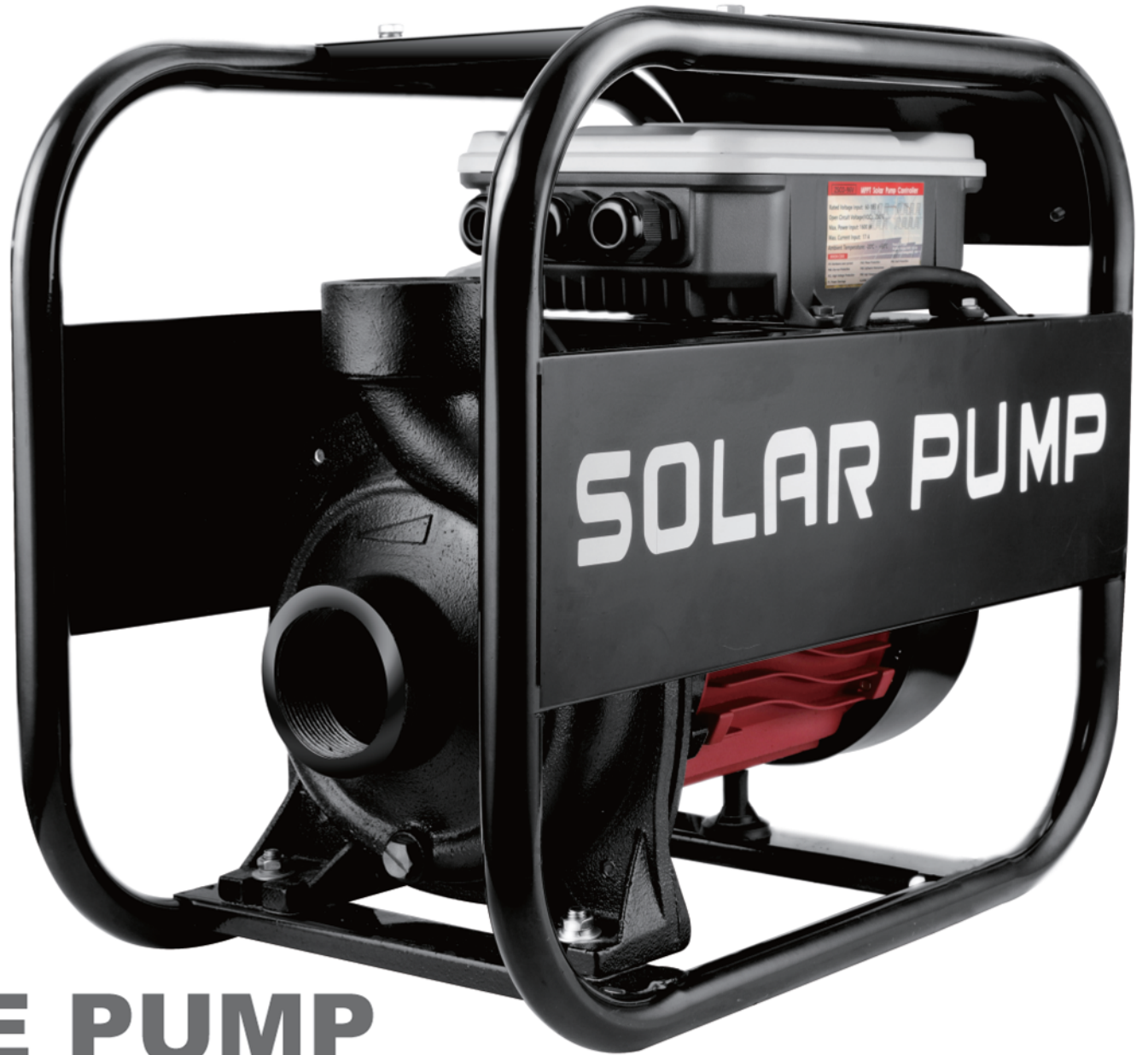
Maintenance-Free Brushless DC Motor
 Integrated DSP & MPPT(Maximum Power Point remote control etc.)
 Suitable for Wide DC voltage Operation
 Control inputs for well probe,dry running protection
 Battery Operation,low voltage disconnect for battery Tracking)
 Overload and high Adjustable speed control of motor
 Temperature Protection and against reverse polarity

PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSHF6-24-48-550	48(72)V	60-90V(72(96)V-120V)	550W	6m³/h	24m	1×1"	1m	<100V	≥1.3*PUMP POWER
B	SSHF15-14-48-550	48(72)V	60-90V(72(96)V-120V)	550W	15m³/h	14m	1.5×1.5"	1m	<100V	≥1.3*PUMP POWER
C	SSHF21-14-72(96)-750	72(96)V	90-120V(110-150V)	750W	21m³/h	14m	2×2"	1m	<150V	≥1.3*PUMP POWER
D	SSHF26-15-110(150)-1100	110(150)V	110-150V(150-200V)	1100W	26m³/h	15m	2×2"	1m	<200V	≥1.3*PUMP POWER
E	SSHF45-17-110(200)-1500	110(150)V	110-150V(150-200V)	1500W	45m³/h	17m	3×3"	1m	<200V	≥1.3*PUMP POWER

AQUA
PUMPS



SURFACE PUMP
WITH FRAME

SSQB Solar Surface Pump Series



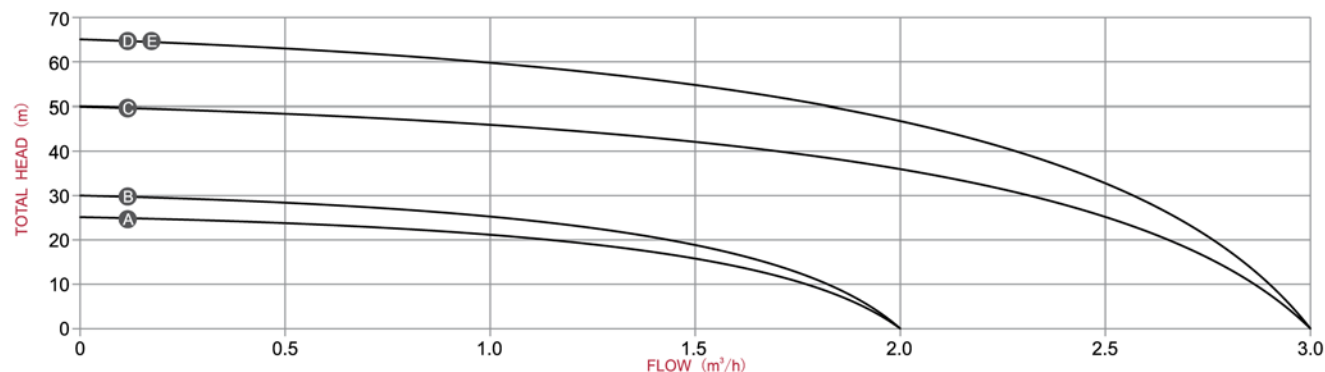
ADVANCED TECHNOLOGY



FREE SPARE PARTS

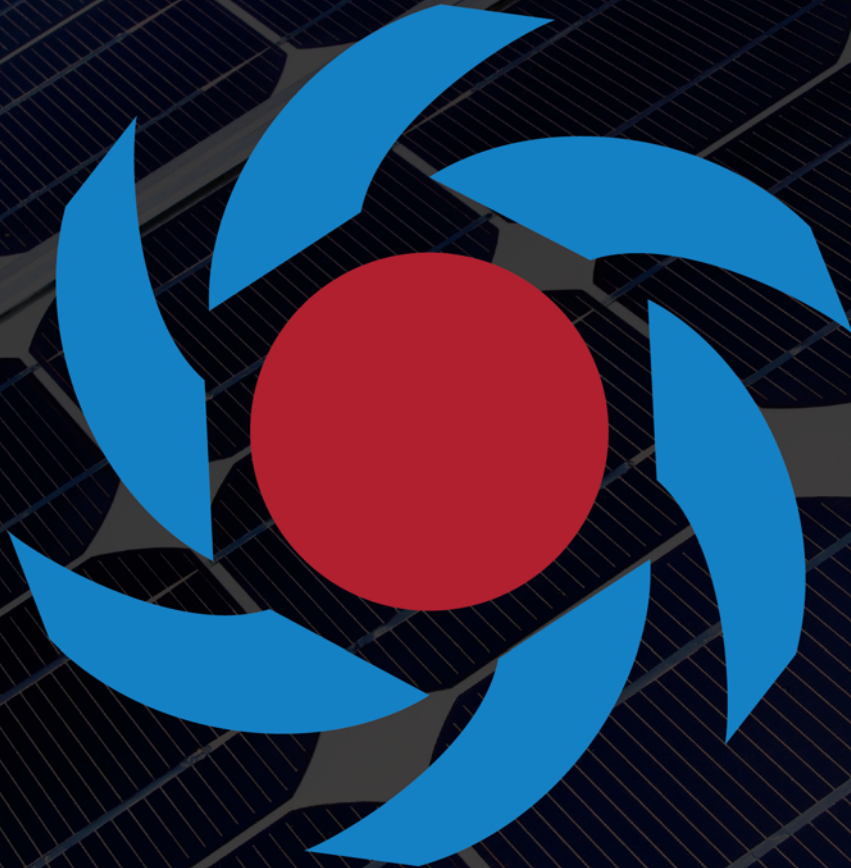


PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	SSQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1x1"	2m	<50V	≥1.3*PUMP POWER
B	SSQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1x1"	2m	<50V	≥1.3*PUMP POWER
C	SSQB3-50-48-550	48V	60-90V (72-120V)	550W	3m³/h	50m	1x1"	2m	<100V	≥1.3*PUMP POWER
D	SSQB3-65-72(96)-750	72(96)V	90-120V (110-150V)	750W	3m³/h	65m	1x1"	2m	<150(200)V	≥1.3*PUMP POWER

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 Control inputs for well probe,dry running protection
 Battery Operation,low voltage disconnect for battery Tracking)
 Overload and high Adjustable speed control of motor
 Temperature Protection and against reverse polarity



AQUA
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