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Green New energy
Environment protection

SOLAR PUMP

PRODUCT CATALOG

HADIYA

HADIYA

DEEP WELL PUMP

Environmental protection and energy saving

PROFESSIONAL SOLAR PUMP MANUFACTURER

By using solar energy, the submersible pump is put into the well to draw water from the deep well, which can be used for domestic water supply, drinking water, agricultural irrigation and drinking water for cattle and sheep.

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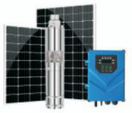
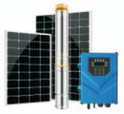
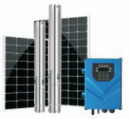
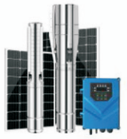
SOLAR PUMP CONTENTS

DC SOLAR PUMP

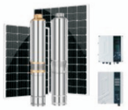


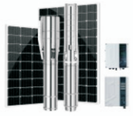




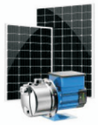


AC/DC SOLAR PUMP





SOLAR GROUND PUMP



DC SOLAR PUMP

ADVANTAGES OF DC SOLAR PUMP

1.Permanent magnet DC brushless synchronousmotor : The efficiency is improved by 25% ,Save energy ; Reduce the consumption of solarpanels

2.304 S / S pump shaft

3.MPPT funct ion , the solar power utilization rate is higher

4.Brass or stainless steel outlet / connector / oilcylinder

5.Japanese NSK bearing : prolong the workinglife

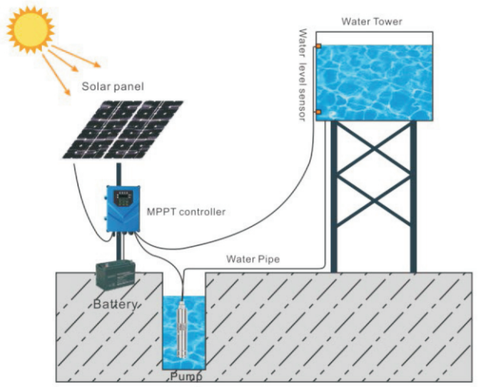
6.Double bearing motor base : can work undermore axial pressure

7.Alloy mechanical seal : Longer working life andhigh reliability

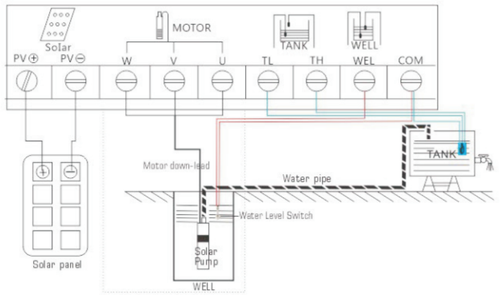
8.Motor coil is made by automatic windingmachine with centralized winding technology ,motor efficiency is much improved

9.Intelligent water shortage protection : Thepump stops working automatically when there isno water in the well , and auto start protection function for 10 minutes

Green New energy
Environment protection



DC EXTERNAL CONTROLLER TYPE



DC:12v–110V

DC CONTROLLER WORKING ENVIRONMENT AND ELECTRICALPROPERTY

Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current (A)	Max.Open Circuit Voltage (V)	MPPT Voltage Range (V)	Working Temperature (℃)
ZM-24	Rated 24V Pump	15	<50	24-36	-15-60
ZM-36	Rated 36V Pump	15	<50	24-36	-15-60
ZM-48	Rated 48V Pump	15	<100	48-72	-15-60
ZM-72	Rated 72V Pump	15	<150	72-108	-15-60
ZM-110	Rated 110V Pump	15	<200	96-144	-15-60

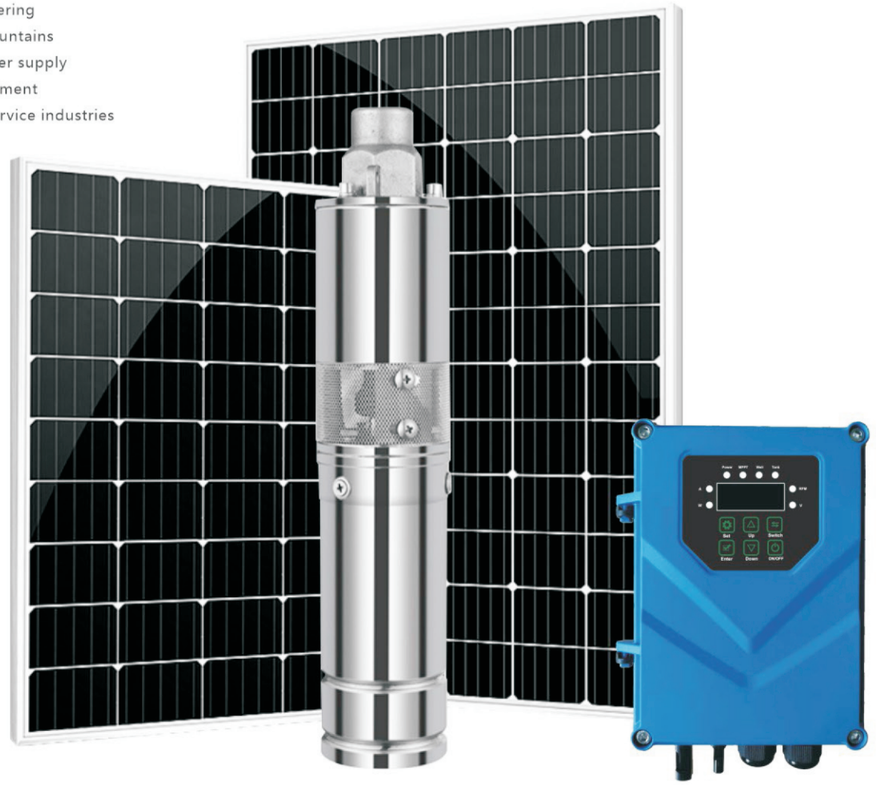
ADVANTAGE

- 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

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

APPLICATION

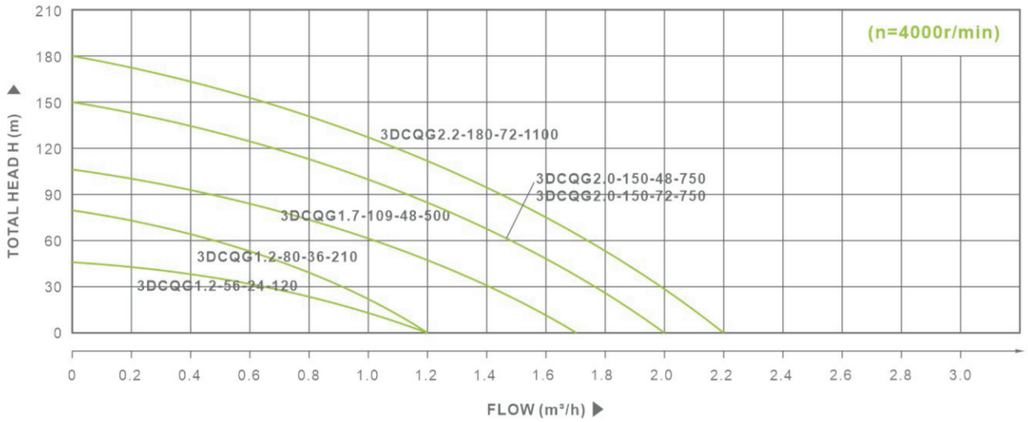
- Irrigation in horticulture & agriculture
- Livestock watering
- Gardens or fountains
- Domestic water supply
- Pond management
- Small scale service industries



DC controller

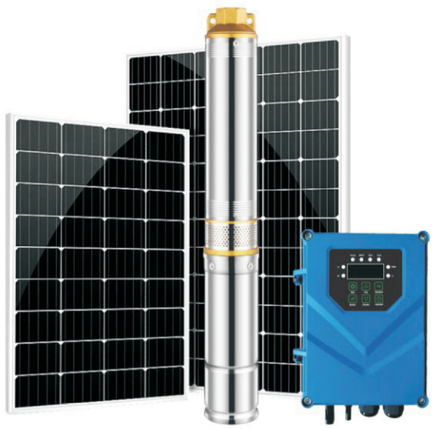
FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
3DCQG1.2-56-24-120	24	30-48V	120	1. 2	56	0. 75"	<50V	36	250	1	
3DCQG1.2-80-36-210	36	30-48V	210	1. 2	80	0. 75"	<50V	36	300	1	
3DCQG1.7-109-48-500	48	60-90V	500	1. 7	109	0. 75"	<100V	36	330	2	
3DCQG2.0-150-48-750	48	60-90V	750	2. 0	150	0. 75"	<100V	36	250	4	
3DCQG2.0-150-72-750	72	90-120V	750	2. 0	150	0. 75"	<150V	36	330	3	
3DCQG2.2-180-72-1100	72	90-120V	1100	2. 2	180	0. 75"	<150V	36	300	6	



DC controller

ADVANTAGE

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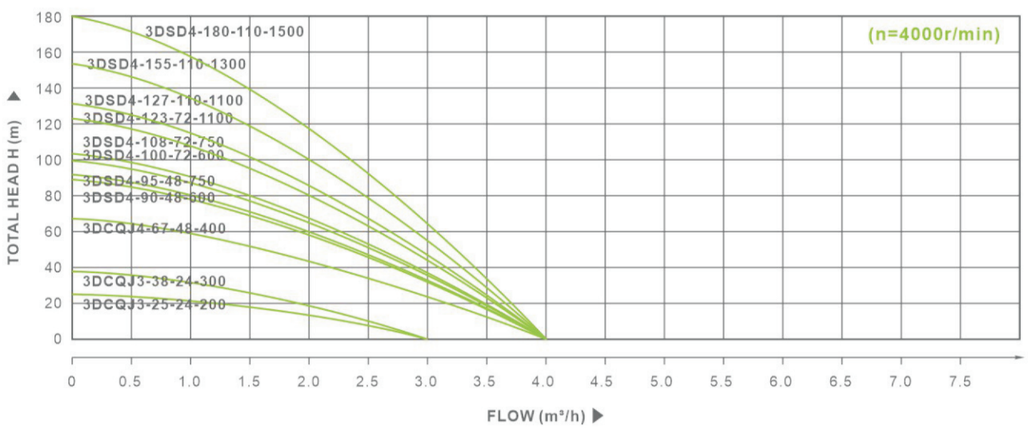
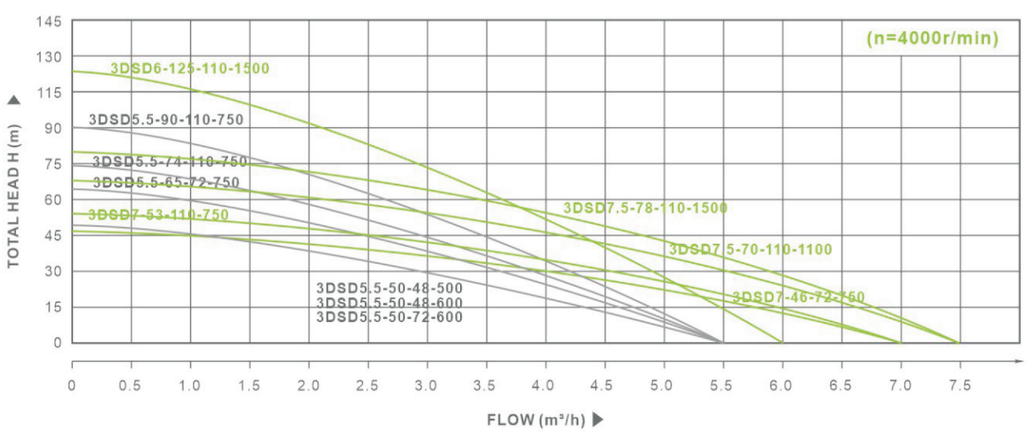
- Overload and high Adjustable speed control of motor
- Temperature Protection and against reverse polarity

FREE SPARE PARTS

PERFORMANCE CURVES





TECHNICAL DATA

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								Voltage (V)	Power (w)	Quantity (pcs)	Connection
3DSD3-25-24-200	24	30-48V	200	3	25	1.25"	< 50V	36	300	1	
3DSD3-38-24-300	24	30-48V	300	3	38	1.25"	< 50V	36	250	2	
3DSD4-67-48-400	48	60-90V	400	4	67	1.25"	< 100V	36	300	2	
3DSD4-90-48-600	48	60-90V	600	4	90	1.25"	< 100V	36	250	4	
3DSD4-95-48-750	48	60-90V	750	4	95	1.25"	< 100V	36	250	4	
3DSD5.5-50-48-500	48	60-90V	500	5.5	50	1.5"	< 100V	36	250	4	
3DSD5.5-50-48-600	48	60-90V	600	5.5	50	1.5"	< 100V	36	250	4	
3DSD4-100-72-600	72	90-120V	600	4	100	1.25"	< 150V	36	300	3	
3DSD4-108-72-750	72	90-120V	750	4	108	1.25"	< 150V	36	330	3	
3DSD4-123-72-1100	72	90-120V	1100	4	123	1.25"	< 150V	36	300	6	
3DSD5.5-50-72-600	72	90-120V	600	5.5	50	1.5"	< 150V	36	300	3	
3DSD5.5-65-72-750	72	90-120V	750	5.5	65	1.5"	< 150V	36	330	3	
3DSD7-46-72-750	72	90-120V	750	7	46	1.5"	< 150V	36	330	3	
3DSD4-127-110-1100	110	110-150V	1100	4	127	1.25"	< 200V	36	300	6	
3DSD4-155-110-1300	110	110-150V	1300	4	155	1.25"	< 200V	36	300	6	
3DSD4-180-110-1500	110	110-150V	1500	4	180	1.25"	< 200V	36	300	8	
3DSD5.5-74-110-750	110	110-150V	750	5.5	74	1.5"	< 200V	36	300	4	
3DSD5.5-90-110-750	110	110-150V	750	5.5	90	1.5"	< 200V	36	300	4	
3DSD6-125-110-1500	110	110-150V	1500	6	125	1.5"	< 200V	36	300	8	
3DSD7-53-110-750	110	110-150V	750	7	53	1.5"	< 200V	36	300	4	
3DSD7.5-70-110-1100	110	110-150V	1100	7.5	70	1.5"	< 200V	36	300	6	
3DSD7.5-78-110-1500	110	110-150V	1500	7.5	78	1.5"	< 200V	36	300	8	

ADVANTAGE

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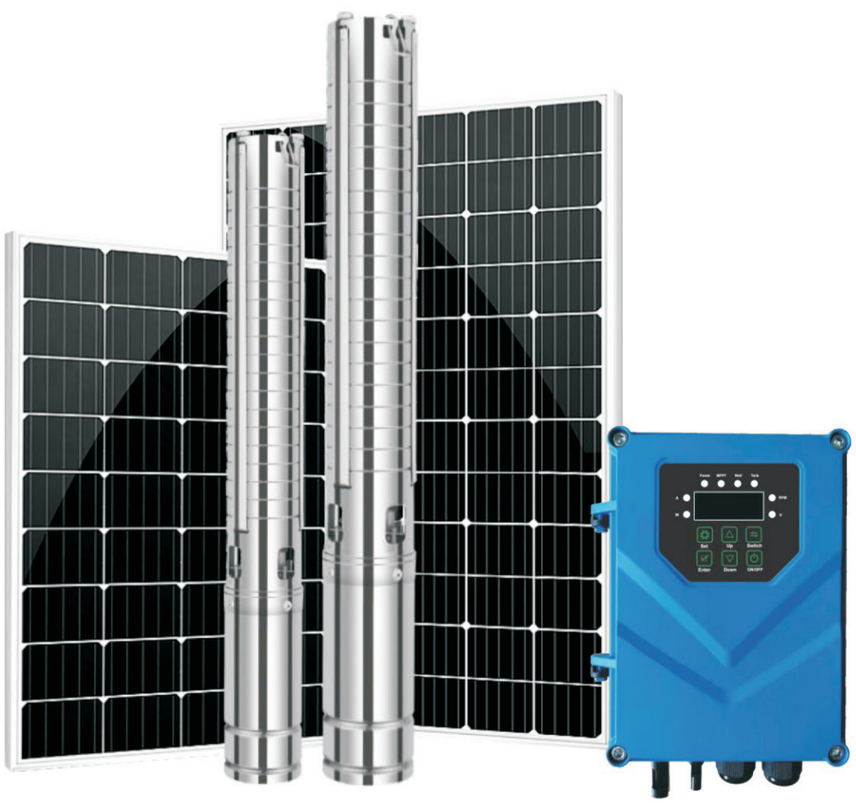
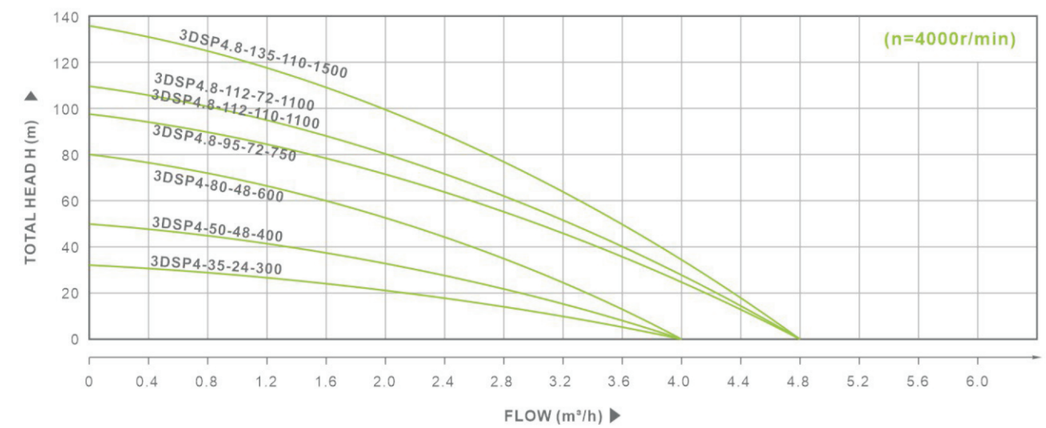
Short-Circuit Protection
MPPT
Dry Running Protection
Soft Starting Protection
Reverse Voltage Protection
Low-voltage / Over-voltage Protection
Over Current Protection



DC controller

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

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								Voltage (V)	Power (w)	Quantity (pcs)	Connection
3DSP4-35-24-300	24	30-48V	300	4	35	1.25"	<50V	36	250	2	
3DSP4-50-48-400	48	60-90V	400	4	50	1.25"	<100V	36	300	2	
3DSP4-80-48-600	48	60-90V	600	4	80	1.25"	<100V	36	250	4	
3DSP4.8-95-72-750	72	90-120V	750	4. 8	95	1.25"	<150V	36	330	3	
3DSP4.8-112-72-1100	72	90-120V	1100	4. 8	112	1.25"	<150V	36	300	6	
3DSP4.8-112-110-1100	110	110-150V	1100	4. 8	112	1.25"	<200V	36	300	6	
3DSP4.8-135-110-1500	110	110-150V	1500	4. 8	135	1.25"	<200V	36	300	8	

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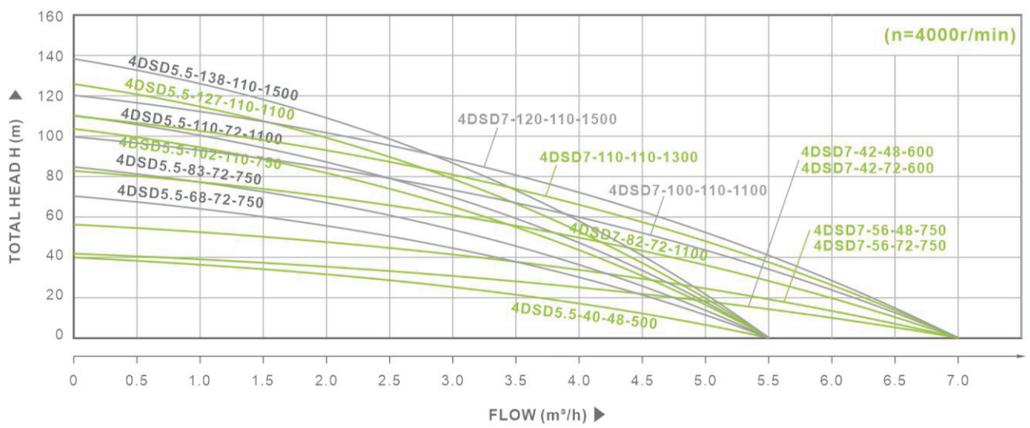

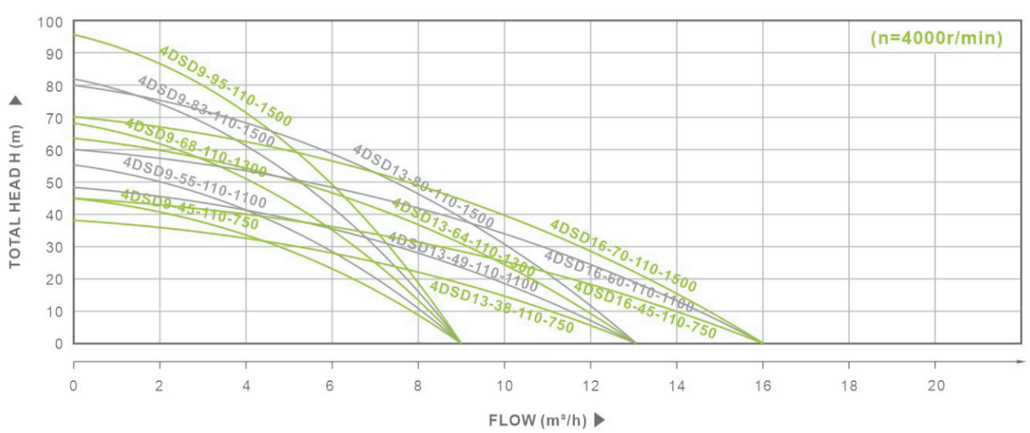

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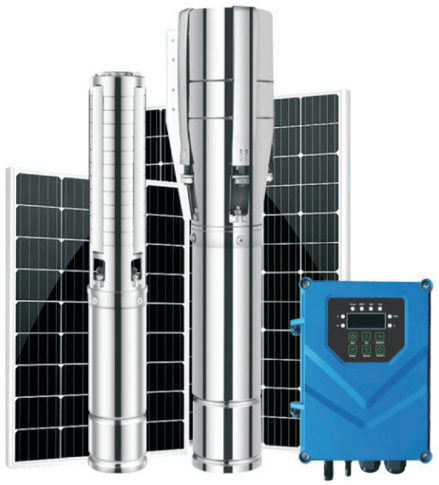
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
4DSD5.5-40-48-500	48	60-90V	500	5.5	40	1.25"	<100V	36	250	4	
4DSD7-42-48-600	48	60-90V	600	7	42	1.25"	<100V	36	250	4	
4DSD7-56-48-750	48	60- 90V	750	7	56	1.25"	<100V	36	250	4	
4DSD5.5-68-72-750	72	90-120V	750	5.5	68	1.25"	<150V	36	330	3	
4DSD5.5-83-72-750	72	90-120V	750	5.5	83	1.25"	<150V	36	330	3	
4DSD5.5-110-72-1100	72	90-120V	1100	5.5	110	1.25"	<150V	36	300	6	
4DSD7-42-72-600	72	90-120V	600	7	42	1.25"	<150V	36	300	3	
4DSD7-56-72-750	72	90-120V	750	7	56	1.25"	<150V	36	330	3	
4DSD7-82-72-1100	72	90-120V	1100	7	82	1.25"	<150V	36	300	6	
4DSD5.5-102-110-750	110	110-150V	750	5.5	102	1.25"	<200V	36	300	4	
4DSD5.5-127-110-1100	110	110-150V	1100	5.5	127	1.25"	<200V	36	300	6	
4DSD5.5-138-110-1500	110	110-150V	1500	5.5	138	1.25"	<200V	36	300	8	
4DSD7-100-110-1100	110	110-150V	1100	7	100	1.25"	<200V	36	300	6	
4DSD7-110-110-1300	110	110-150V	1300	7	110	1.25"	<200V	36	300	6	
4DSD7-120-110-1500	110	110-150V	1500	7	120	1.25"	<200V	36	300	8	
4DSD9-45-110-750	110	110-150V	750	9	45	2"	<200V	36	300	4	
4DSD9-55-110-1100	110	110-150V	1100	9	55	2"	<200V	36	300	6	
4DSD9-68-110-1300	110	110-150V	1300	9	68	2"	<200V	36	300	6	
4DSD9-83-110-1500	110	110-150V	1500	9	83	2"	<200V	36	300	8	
4DSD9-95-110-1500	110	110-150V	1500	9	95	2"	<200V	36	300	8	
4DSD13-38-110-750	110	110-150V	750	13	38	2"	<200V	36	300	4	
4DSD13-49-110-1100	110	110-150V	1100	13	49	2"	<200V	36	300	6	
4DSD13-64-110-1300	110	110-150V	1300	13	64	2"	<200V	36	300	6	
4DSD13-80-110-1500	110	110-150V	1500	13	80	2"	<200V	36	300	8	
4DSD16-45-110-750	110	110-150V	750	16	45	2"	<200V	36	300	4	
4DSD16-60-110-1100	110	110-150V	1100	16	60	2"	<200V	36	300	6	
4DSD16-70-110-1500	110	110-150V	1500	16	70	2"	<200V	36	300	8	



DC controller

ADVANTAGE

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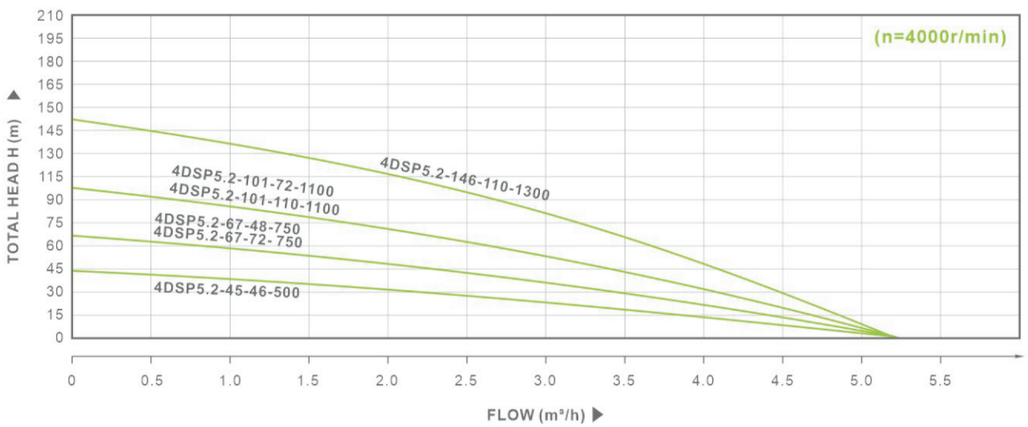
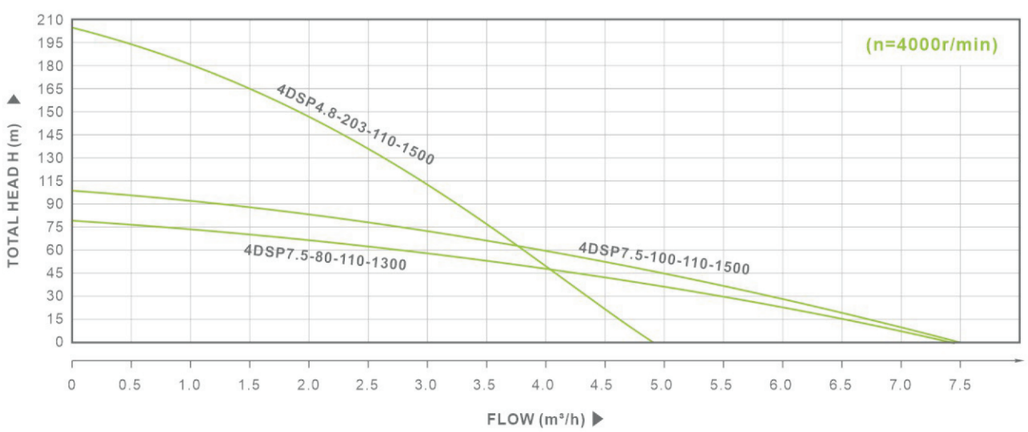
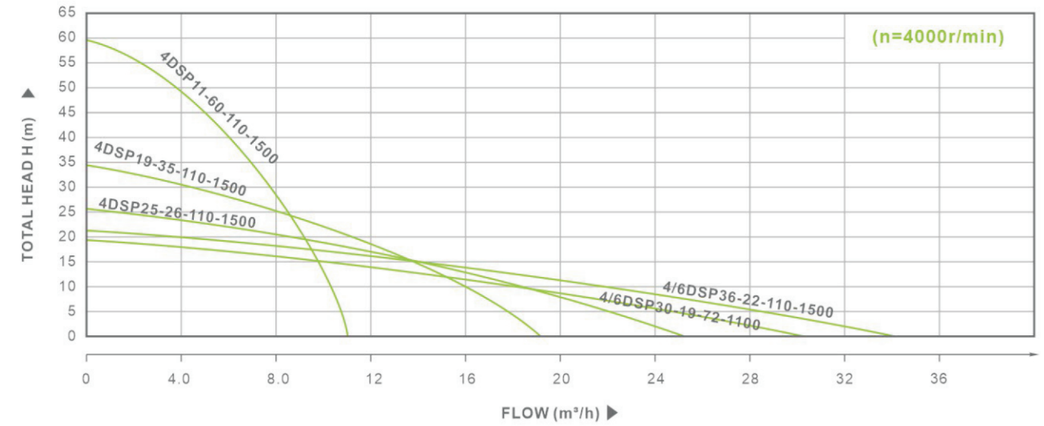
FREE SPARE PARTS

PERFORMANCE CURVES





PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
4DSP5.2-45-48-500	48	60-90V	500	5.2	45	1.25"	<100V	36	330	2	
4DSP5.2-67-48-750	48	60-90V	750	5.2	67	1.25"	<100V	36	250	4	
4DSP5.2-67-72- 750	72	90-120V	750	5.2	67	1.25"	<150V	36	330	3	
4DSP5.2-101-72-1100	72	90-120V	1100	5.2	101	1.25"	<150V	36	300	6	
4/6DSP30-19-72-1100	72	90-120V	1100	30	19	3"	<200V	36	300	6	
4DSP5.2-101-110-1100	110	110-150V	1100	5.2	101	1.25"	<200V	36	300	6	
4DSP5.2-146-110-1300	110	110-150V	1300	5.2	146	1.25"	<200V	36	300	6	
4DSP7.5-80-110-1300	110	110-150V	1300	7.5	80	1.25"	<200V	36	300	6	
4DSP4.8-203-110-1500	110	110-150V	1500	4.8	203	1.25"	<200V	36	300	8	
4DSP7.5-100-110-1500	110	110-150V	1500	7.5	100	1.25"	<200V	36	300	8	
4DSP11-60-110-1500	110	110-150V	1500	11	60	2"	<200V	36	300	8	
4DSP19-35-110-1500	110	110-150V	1500	19	35	2"	<200V	36	300	8	
4DSP25-26-110-1500	110	110-150V	1500	25	26	2"	<200V	36	300	8	
4/6DSP36-22-110-1500	110	110-150V	1500	36	22	3"	<200V	36	300	8	

AC/DC
HYBRID SOLAR PUMP
PROFESSIONAL SOLAR PUMP MANUFACTURER

1)Single solar mode:

The controller can be used in single solar mode, the maximum current is limited to 12A, and the maximum power is tracked by MPPT algorithm. The running speed of the water pump is determined by the solar panel power, the maximum speed of the water pump, the maximum power of the controller and the temperature of the controller. When any condition is satisfied, the speed of the water pump will maintain the current speed or run at a reduced speed. Among them,

2)Single exchange mode:

The controller can be used in single AC mode, and the maximum AC current input is limited to 13A (different models may vary) (same as above). The running speed of the pump is determined by the AC input current, the maximum speed of the pump, the maximum power of the controller and the temperature of the controller. When any condition is satisfied, the speed of the pump will maintain the current speed or run at a reduced speed.

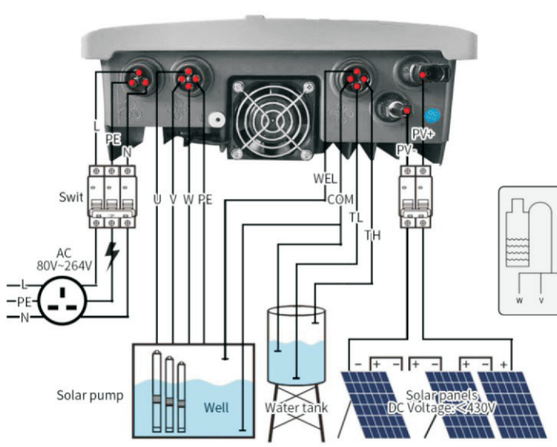
3) Full power AC / DC automatic hybrid compensation mode:

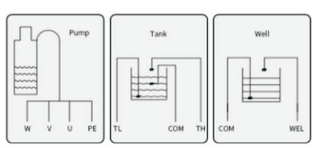
Under the full power AC / DC automatic hybrid compensation mode, the maximum current of DC side is limited to 12A. DC priority and adjustable.Put into use all day, solar panel minimum power can use 1W. In order to meet the pump full power operation, when the sun.When the power is not enough, the AC side will automatically supplement the power to ensure the normal operation of the power pump. In this mode, the operation of the water pump.The speed is still determined by the AC input current, the maximum speed of the pump, the maximum power of the controller and the temperature of the controller.After any condition is satisfied, the speed of the pump will keep the current speed or run at a reduced speed.

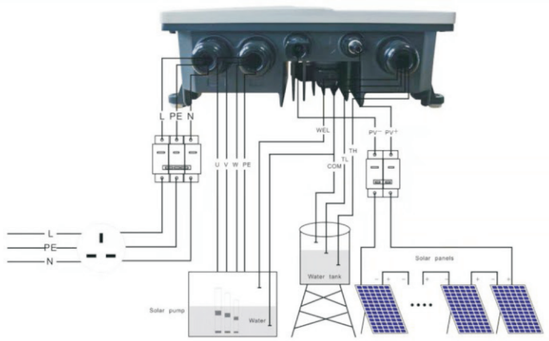
4) Custom AC power operation mode:

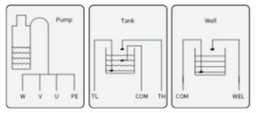
User defined AC power operation mode is a programmable hybrid compensation mode. Users can enter the setting mode to set the maximum input of AC power to achieve the purpose of saving AC power. The user can turn on this mode by pressing and holding the key, and the indicator light (AC_ LIM) on.

For example: the maximum input of P1.5 AC power is 1000W, when the solar power is not enough, the AC side will automatically supplement the AC power to ensure the normal operation of the power pump, but the AC power is only allowed to input 1000W at this time.
In this mode, the operation speed of the pump is still determined by the AC input current, the maximum speed of the pump, the maximum power of the controller and the temperature of the controller. After any condition is met, the speed of the pump will maintain the current speed or run at a reduced speed









AC/DC AUTOMATIC SWITCHING CONTROLLER WORKING ENVIRONMENT AND ELECTRICALPROPERTY

Controller and Pump Matching Method						
Controller Model	Adaptable Pump	DC Max.Input Current (A)	AC Max.Input Current (A)	DC Input Voltage (V)	AC Input Voltage (V)	Working Temperature (℃)
ZM-AC220V/DC110V	Rated AC220V/DC110V Pump	12	20	108-410	100-264	-15-60
ZM-AC220V/DC150V	Rated AC220V/DC150V Pump	12	20	108-410	100-264	-15-60
ZM-AC220V/DC200V	Rated AC220V/DC200V Pump	12	20	108-410	100-264	-15-60
ZM-AC220V/DC300V	Rated AC220V/DC300V Pump	12	20	108-410	100-264	-15-60

AC/DC HYBRID COMPLEMENTARITY CONTROLLER WORKING ENVIRONMENT AND ELECTRICALPROPERTY

Controller and Pump Matching Method						
Controller Model	Adaptable Pump	DC Max.Input Current (A)	AC Max.Input Current (A)	DC Input Voltage (V)	AC Input Voltage (V)	Working Temperature (℃)
ZM-AC220V/DC110V	Rated AC220V/DC110V Pump	12	15	80-410	150-264	-15-60
ZM-AC220V/DC150V	Rated AC220V/DC150V Pump	12	15	80-410	150-264	-15-60
ZM-AC220V/DC200V	Rated AC220V/DC200V Pump	12	15	80-410	150-264	-15-60
ZM-AC220V/DC300V	Rated AC220V/DC300V Pump	12	15	80-410	150-264	-15-60

AC/DC auto switching Controller

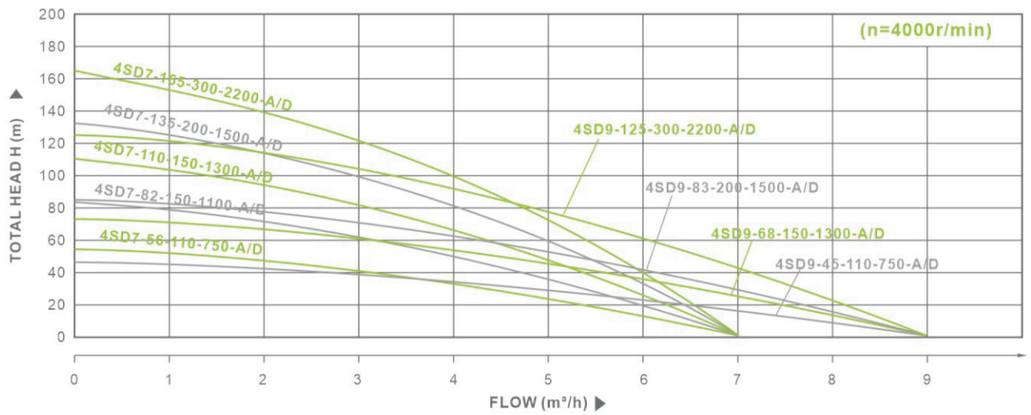
AC/DC Hybrid complementarity controller

ADVANTAGE

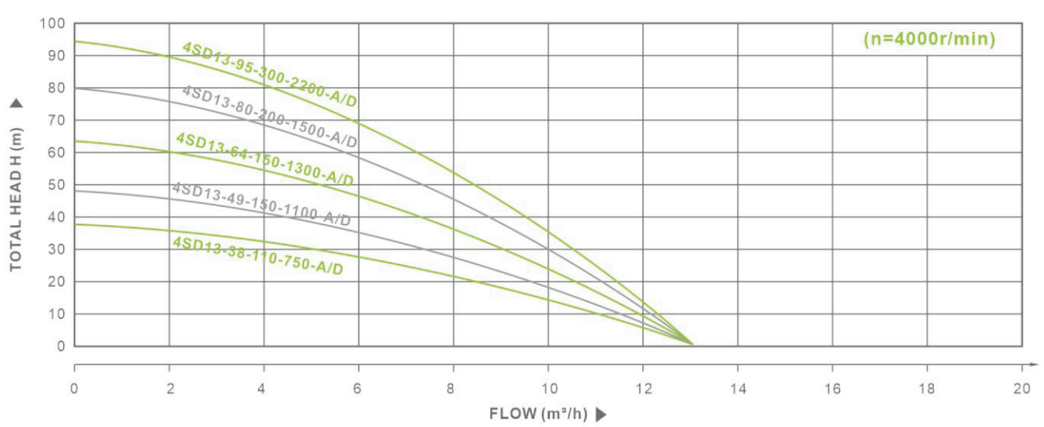
- Maintenance-Free Brushless DC Motor
- Integrated DSP & MPPT(Maximum Power Point remote control etc.)
- Suitable for Wide DC voltage Operation
- Control inputs for well probe,dry running protection
- Battery Operation,low voltage disconnect for battery Tracking)
- Overload and high Adjustable speed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

FREE SPARE PARTS

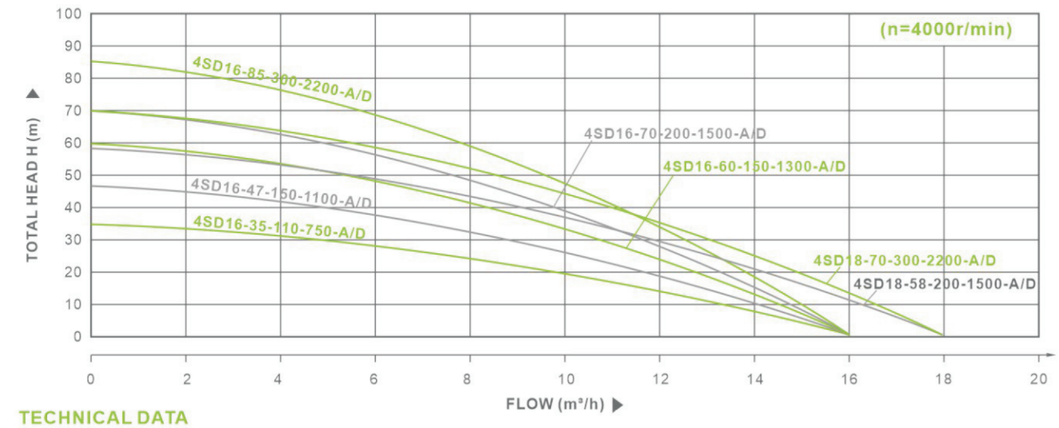
PERFORMANCE CURVES



PERFORMANCE CURVES



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (AC)	Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Solar Panels Suggestion			
							Voltage (V)	Power (w)	Quantity (pcs)	Connection
4SD7-56-110-750-A/D	85V-280V	80V-420V	750	7	56	1.25"	36	340	3	
4SD9-45-110-750-A/D	85V-280V	80V-420V	750	9	45	2"	36	340	3	
4SD13-38-110-750-A/D	85V-280V	80V-420V	750	13	38	2"	36	340	3	
4SD16-35-110-750-A/D	85V-280V	80V-420V	750	16	35	2"	36	340	3	
4SD7-82-150-1100-A/D	85V-280V	80V-420V	1100	7	82	1.25"	36	340	4	
4SD9-55-150-1100-A/D	85V-280V	80V-420V	1100	9	55	2"	36	340	4	
4SD13-49-150-1100-A/D	85V-280V	80V-420V	1100	13	49	2"	36	340	4	
4SD16-47-150-1100-A/D	85V-280V	80V-420V	1100	16	47	2"	36	340	4	
4SD7-110-150-1300-A/D	85V-280V	80V-420V	1300	7	110	1.25"	36	340	5	
4SD9-68-150-1300-A/D	85V-280V	80V-420V	1300	9	68	2"	36	340	5	
4SD13-64-150-1300-A/D	85V-280V	80V-420V	1300	13	64	2"	36	340	5	
4SD16-60-150-1300-A/D	85V-280V	80V-420V	1300	16	60	2"	36	340	5	
4SD7-135-200-1500-A/D	85V-280V	80V-420V	1500	7	135	1.25"	36	340	6	
4SD9-83-200-1500-A/D	85V-280V	80V-420V	1500	9	83	2"	36	340	6	
4SD13-80-200-1500-A/D	85V-280V	80V-420V	1500	13	80	2"	36	340	6	
4SD16-70-200-1500-A/D	85V-280V	80V-420V	1500	16	70	2"	36	340	6	
4SD18-58-200-1500-A/D	85V-280V	80V-420V	1500	18	58	2"	36	340	6	
4SD7-165-300-2200-A/D	85V-280V	80V-420V	2200	7	165	1.25"	36	340	8	
4SD9-125-300-2200-A/D	85V-280V	80V-420V	2200	9	125	2"	36	340	8	
4SD13-95-300-2200-A/D	85V-280V	80V-420V	2200	13	95	2"	36	340	8	
4SD16-85-300-2200-A/D	85V-280V	80V-420V	2200	16	85	2"	36	340	8	
4SD18-70-300-2200-A/D	85V-280V	80V-420V	2200	18	70	2"	36	340	8	

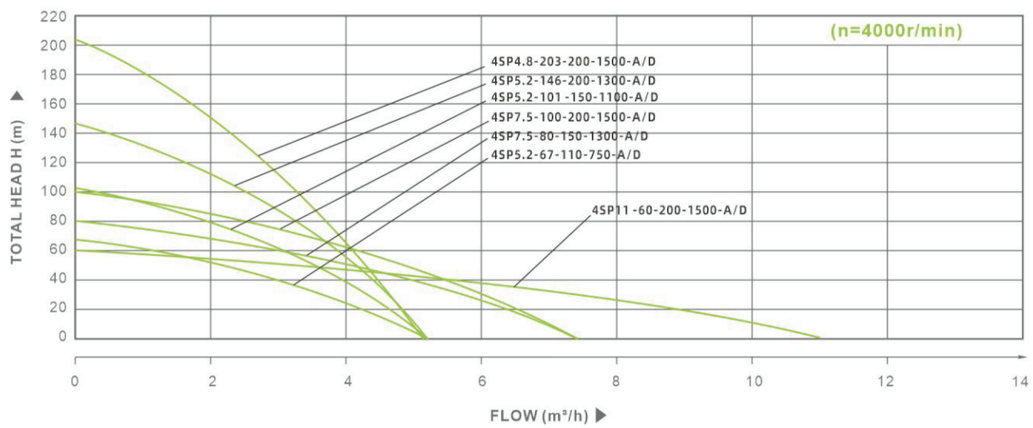
AC/DC auto switching Controller

AC/DC Hybrid complementarity controller

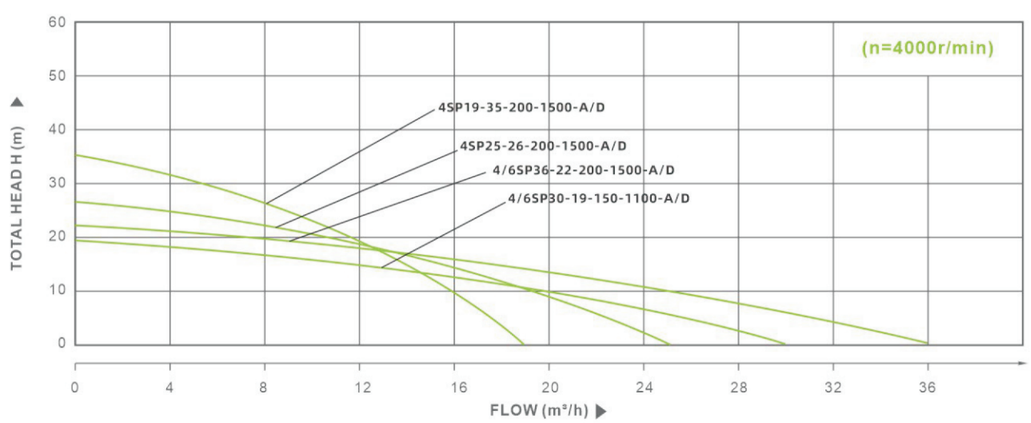
ADVANTAGE

- 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

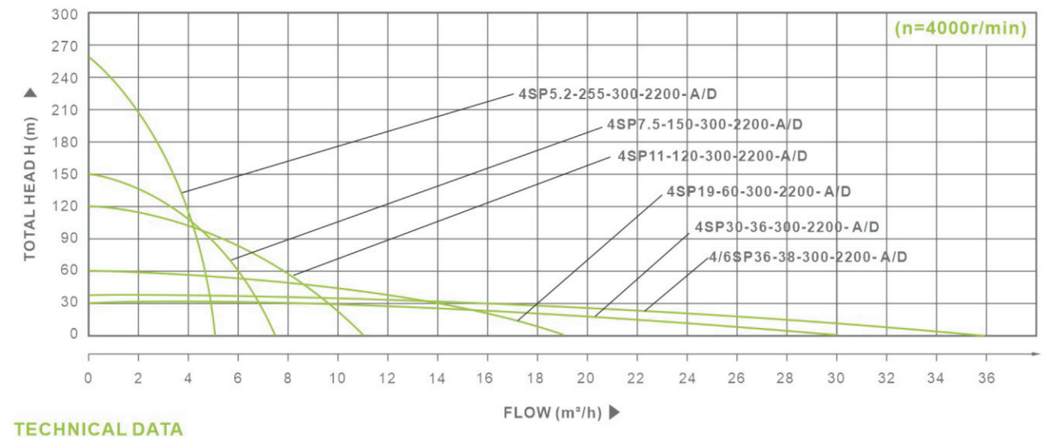
FREE SPARE PARTS



PERFORMANCE CURVES



PERFORMANCE CURVES



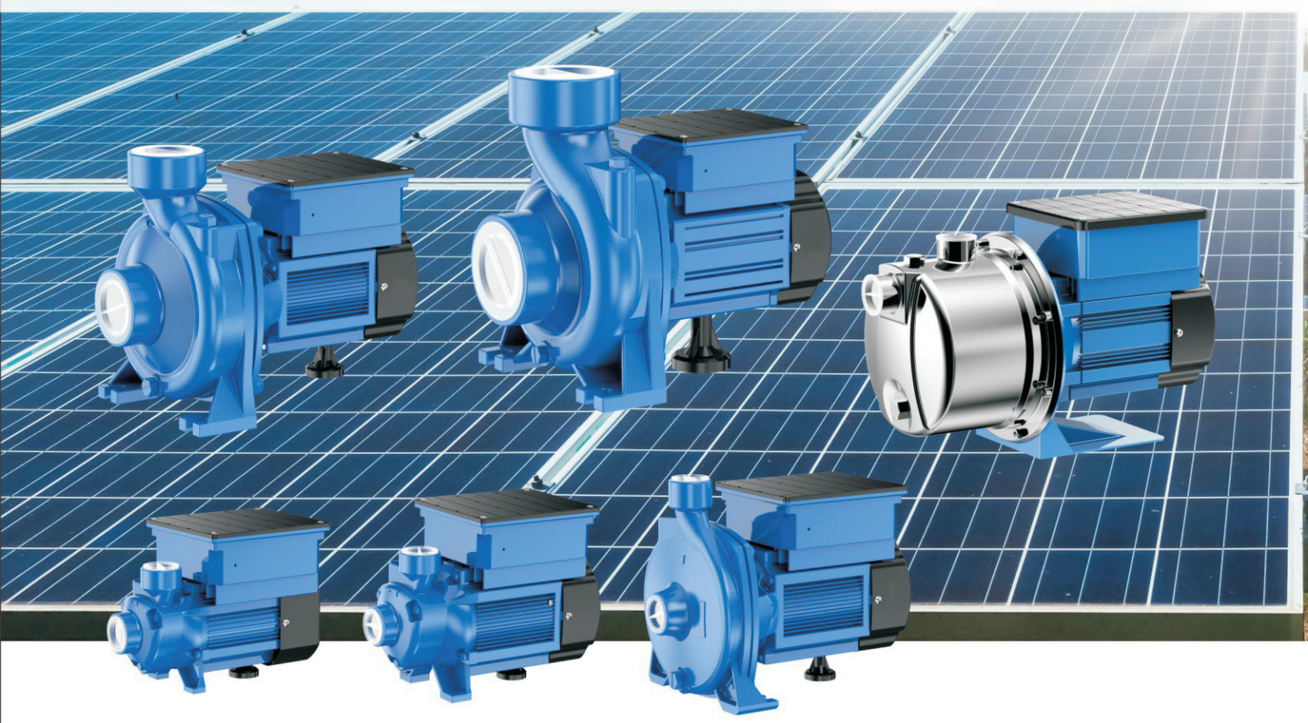
TECHNICAL DATA

ITEM	Voltage (AC)	Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Solar Panels Suggestion			
							Voltage (V)	Power (w)	Quantity (pcs)	Connection
4SP5.2-67-110-750-A/D	85V-280V	80V-420V	750	5.2	67	1.25"	36	340	3	
4SP5.2-101-150-1100-A/D	85V-280V	80V-420V	1100	5.2	101	1.25"	36	340	5	
4/6SP30-19-150-1100-A/D	85V-280V	80V-420V	1100	30	19	3"	36	340	5	
4SP5.2-146-200-1300-A/D	85V-280V	80V-420V	1300	5.2	146	1.25"	36	340	5	
4SP7.5-80-150-1300-A/D	85V-280V	80V-420V	1300	7.5	80	1.25"	36	340	5	
4SP4.8-203-200-1500-A/D	85V-280V	80V-420V	1500	4.8	203	1.25"	36	340	6	
4SP7.5-100-200-1500-A/D	85V-280V	80V-420V	1500	7.5	100	1.25"	36	340	6	
4SP11-60-200-1500-A/D	85V-280V	80V-420V	1500	11	60	2"	36	340	6	
4SP19-35-200-1500-A/D	85V-280V	80V-420V	1500	19	35	2"	36	340	6	
4SP25-26-200-1500-A/D	85V-280V	80V-420V	1500	25	26	2"	36	340	6	
4/6SP36-22-200-1500-A/D	85V-280V	80V-420V	1500	36	22	3"	36	340	6	
4SP5.2-255-300-2200-A/D	85V-280V	80V-420V	2200	5.2	255	1.25"	36	340	8	
4SP7.5-150-30CH2200-A/D	85V-280V	80V -420V	2200	7.5	150	1.25"	36	340	8	
4SP11-120-300-2200-A/D	85V-280V	80V-420V	2200	11	120	2"	36	340	8	
4SP19-60-300-2200-A/D	85V-280V	80V-420V	2200	19	60	2"	36	340	8	
4SP30-36-300-2200-A/D	85V-280V	80V-420V	2200	30	36	2"	36	340	8	
4/6SP36-38-300-2200-A/D	85V-280V	80V-420V	2200	36	38	2"	36	340	8	

HADIYA

GROUND PUMP

Environmental protection and energy saving



PROFESSIONAL SOLAR PUMP MANUFACTURER

By using solar energy, the submersible pump is put into the well to draw water from the deep well, which can be used for domestic water supply, drinking water, agricultural irrigation and drinking water for cattle and sheep.

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

HADIYA

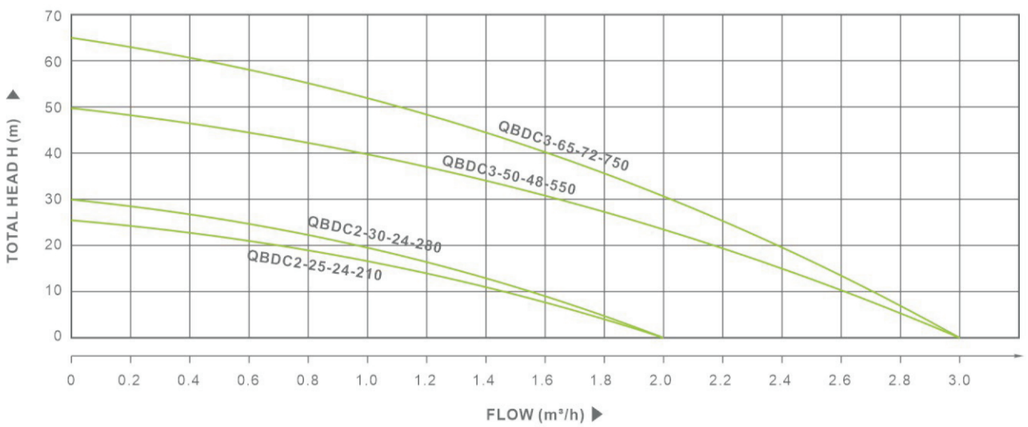
DC BRUSHLESS PERIPHERAL SOLAR PUMP QBDC

ADVANTAGE

- 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

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
QBDC2-25-24-210	24	30-48V	210	2	25	1"×1"	<50V	36	300	1	
QBDC2-30-24-280	24	30-48V	280	2	30	1"×1"	<50V	36	250	2	
QBDC3-50-48-550	48	60-90V	550	3	50	1"×1"	<100V	36	250	4	
QBDC3-65-72-750	72	90-120V	750	3	65	1"×1"	<150V	36	330	3	

HFDC DC BRUSHLESS CENTRIFUGAL SOLAR PUMP

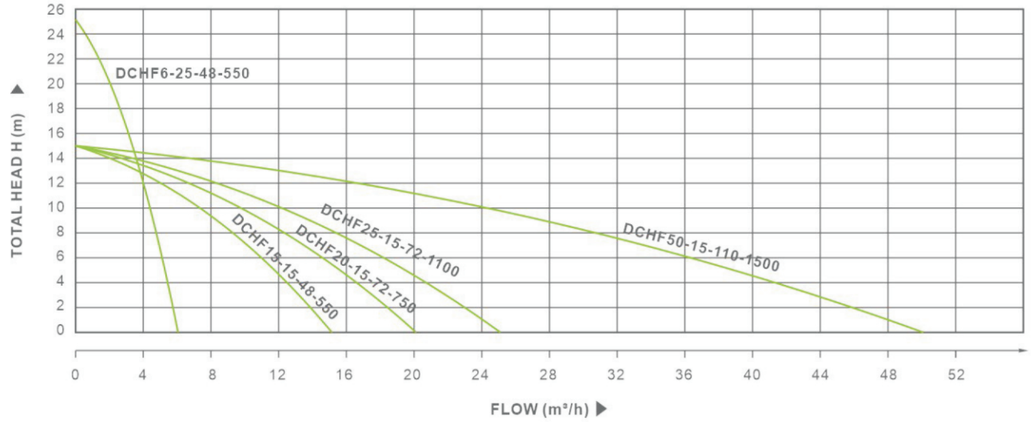
HADIYA

ADVANTAGE

- 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

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
DCHF6-25-48-550	48	60-90V	550	6	25	1"×1"	<100V	36	250	4	
DCHF15-15-48-550	48	60-90V	550	15	15	1.5"×1.5"	<100V	36	250	4	
DCHF20-15-72-750	72	90-120V	750	20	15	2"×2"	<150V	36	330	3	
DCHF25-15-72-1100	72	90-120V	1100	25	15	2"×2"	<150V	36	300	6	
DCHF50-15-110-1500	110	110-150V	1500	50	15	3"×3"	<200V	36	300	8	

HADIYA

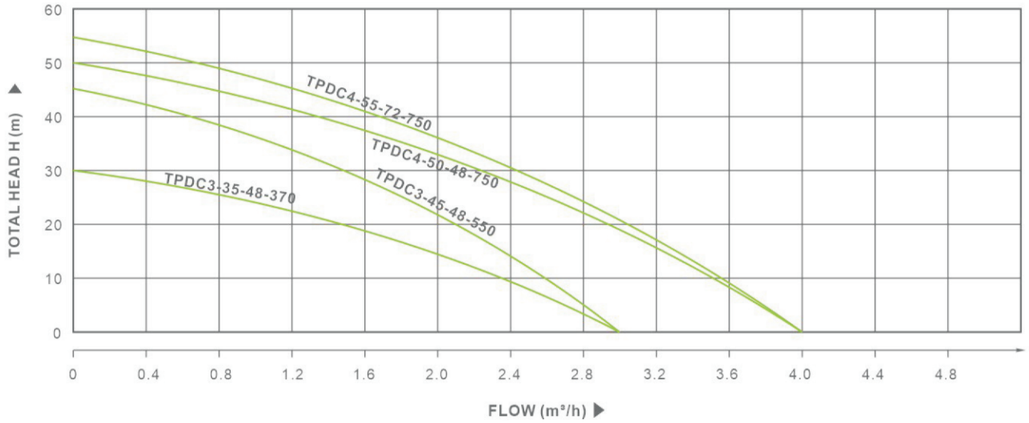
DC BRUSHLESS JET SOLAR PUMP TPDC

ADVANTAGE

- 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

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
TPDC3-35-48-370	48	60-90V	370	3	35	1"×1"	<50V	36	250	2	
TPDC3-45-48-550	48	60-90V	550	3	45	1"×1"	<50V	36	330	2	
TPDC4-50-48-750	48	60-90V	750	4	50	1"×1"	<100V	36	250	4	
TPDC4-55-72-750	72	90-120V	750	4	55	1"×1"	<150V	36	330	3	

LPDC DC BRUSHLESS SWIMMING POOL SOLAR PUMP

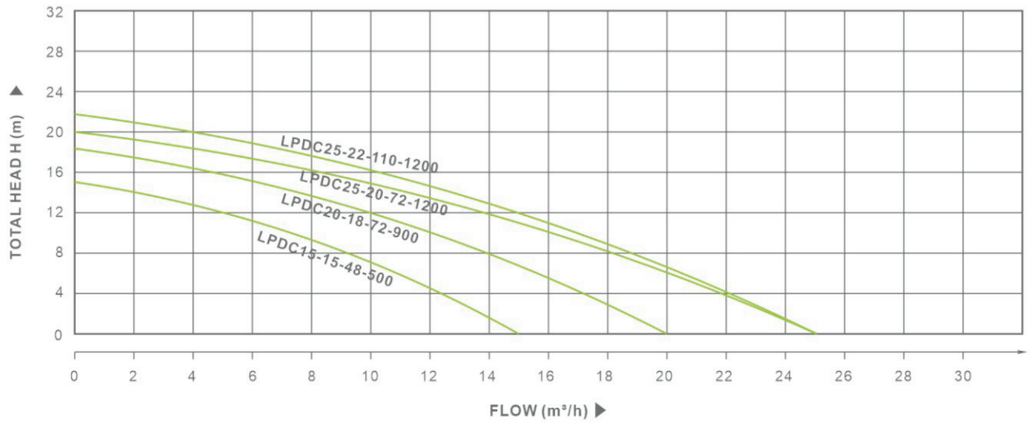
HADIYA

ADVANTAGE

- 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

FREE SPARE PARTS

PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage (v)	Best input Voltage (DC)	Power (w)	Max. Flow (m³/h)	Max. Head (m)	Outlet (in)	Open circuit voltage (VOC)	Solar Panels Suggestion			
								Voltage (V)	Power (w)	Quantity (pcs)	Connection
LPDC15-15-48-500	48	60-90V	500	15	15	2"×2"	<100V	36	330	2	
LPDC20-18-72-900	72	90-120V	900	20	18	2"×2"	<150V	36	300	4	
LPDC25-20-72-1200	72	90-120V	1200	25	20	3"×3"	<150V	36	300	6	
LPDC25-22-110-1200	110	110-150V	1200	25	22	3"×3"	<200V	36	300	6	