

**ZHEJIANG DINGFENG  
ELECTRICAL APPLIANCE  
CO., LTD.**

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# SOLAR PUMP

PROFESSIONAL SOLAR PUMP MANUFACTURER



**ZHEJIANG DINGFENG ELECTRICAL APPLIANCE CO., LTD.**

# ABOUT US

Zhejiang Dingfeng Electrical Appliance Co.,Ltd is a professional manufactory for DC solar pumps,AC/DC hybrid solar pumps, wide voltage solar pumps and water-filled motor solar pumps. Our head office is located in Wenling, Zhejiang, which is established in 1989. And we found our branch plant with 8900m<sup>2</sup> specially for solar pumps in Ningbo,Zhejiang. We have high-precision and fully automatic processing machines, advanced assembling lines and testing machines to improve the quality and efficiency. And we set up our own electronic circuit board workshop to make sure every production process is under control. During the last year, we have exported nearly 190000 pcs of solar pumps all over the world, and got countless buyer praise. We never stop the steps to improve and innovate our solar pumps to reach the different market requirements.

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## CONTROLLER



## TECHNICAL DATA

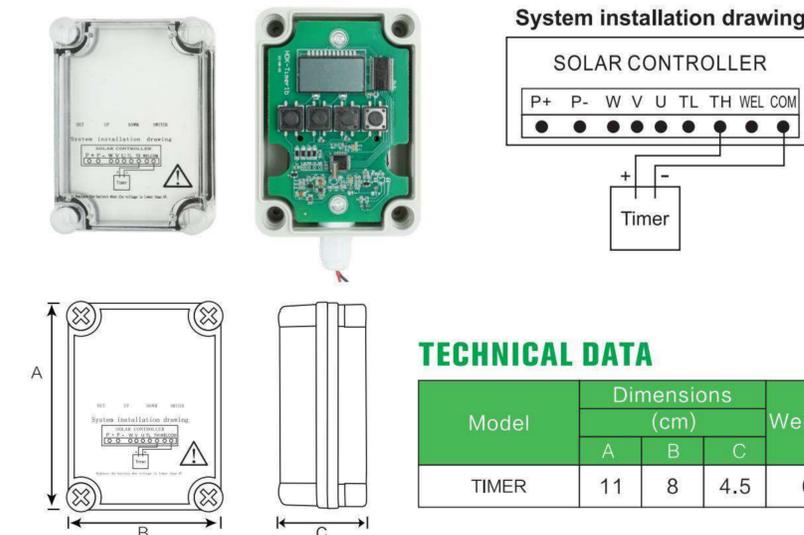
Model	Dimensions (cm)			Weight(kg)
	A	B	C	
DC controller	23.8	18	9.5	1.5
Wide voltage HV controller	24.3	23.5	11	2.2
AC/DC auto-switching controller (≤2.2KW)	24.3	23.5	11	2.3
AC/DC auto-switching controller (3KW-4KW)	32	23	11	2.5

## WORKING ENVIRONMENT AND ELECTRICAL PROPERTY

Controller and Pump Matching Method					
Controller Model	Adaptable Pump	Max.Input Current (A)	Max.Open Circuit Voltage (V)	MPPT Voltage Range (V)	Working Temperature (°C)
DF-12	Rated 12V Pump	17	<55	30-48	-15 ~ 60
DF-24	Rated 24V Pump	17	<55	30-48	-15 ~ 60
DF-36	Rated 36V Pump	17	<55	30-48	-15 ~ 60
DF-48	Rated 48V Pump	17	<105	60-90	-15 ~ 60
DF-72	Rated 72V Pump	17	<160	90-120	-15 ~ 60
DF-110	Rated 110V Pump	17	<210	110-150	-15 ~ 60
DF-110-A/D	Rated 110V-A/D Pump	17	<430	110-400	-15 ~ 60
DF-150-A/D	Rated 150V-A/D Pump	17	<430	150-400	-15 ~ 60
DF-200-A/D	Rated 200V-A/D Pump	17	<430	200-400	-15 ~ 60
DF-300-A/D	Rated 300V-A/D Pump	17	<430	300-400	-15 ~ 60
DF-380-A/D	Rated 380V-A/D Pump	17	<780	480-750	-15 ~ 60
DF-110-HV	Rated 110V-HV Pump	17	<430	110-400	-15 ~ 60
DF-150-HV	Rated 150V-HV Pump	17	<430	150-400	-15 ~ 60
DF-200-HV	Rated 200V-HV Pump	17	<430	200-400	-15 ~ 60
DF-300-HV	Rated 300V-HV Pump	17	<430	300-400	-15 ~ 60

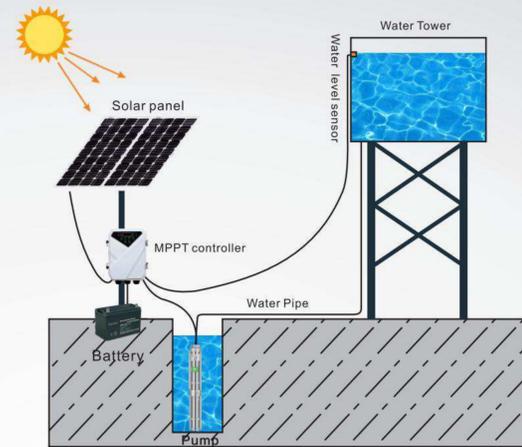
## TIMER FOR SOLAR PUMP

Set the startup and shutdown time to intelligently control the operation of the solar pump. Can be matched with other factory's controllers.

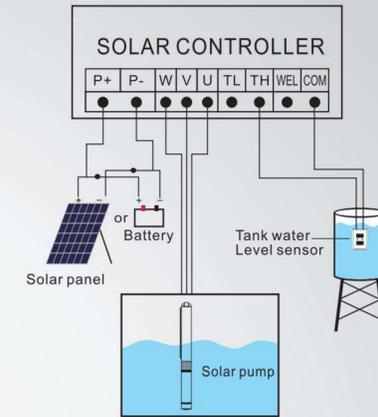


# DC SUBMERSIBLE PUMP

Environmental protection and energy saving



DC EXTERNAL CONTROLLER TYPE



DC:12-110V

## ADVANTAGE OF DC SOLAR PUMP

1. Permanent magnet DC brushless synchronous motor: The efficiency is improved by 15%~20%; Save energy.
2. Brass or stainless steel outlet/connector/ oil cylinder.
3. Japanese NSK bearing: prolong the working life.
4. Alloy mechanical seal: Longer working life and high reliability.
5. Motor coil is made by automatic winding machine with centralized winding technology, motor efficiency is much improved.
6. The pump parts are processed by high-precision and fully automatic machines, strictly controlling the dimension precision and smoothness.
7. Intelligent water shortage and full water protection.
8. DC Controller:
  - (1) Waterproof grade: IP65
  - (2) MPPT function, the solar power utilization rate is higher.
  - (3) Automatic charging function
  - (4) LED displays the power, voltage, current, speed etc working condition and error code.
  - (5) Frequency conversion function: It can automatically run with frequency conversion according to the solar power, and user also can change the speed of pump manually.
  - (6) Automatically start and stop working.
  - (7) Water proof and leak-proof: Double seal effect.
  - (8) Soft start: No impulse current, protect the pump motor.
  - (9) High voltage/Low voltage/Over-current/High temperature protection
9. 2 years warranty.

## 2DPC

2"DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Copper outlet



Copper connecting fitting



Copper oil cylinder



Plastic Impeller



NSK Bearing

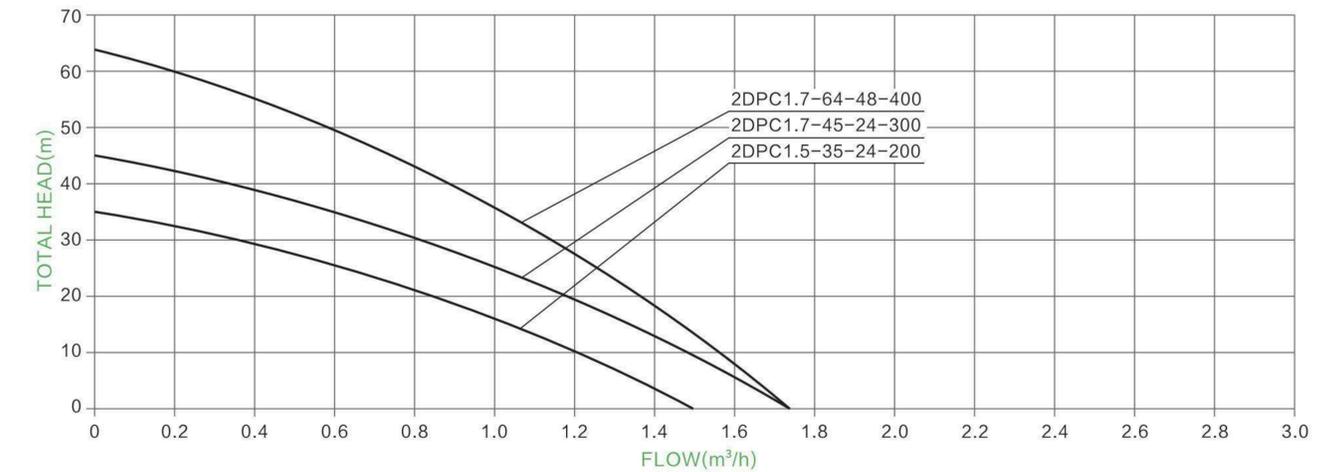


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
2DPC1.5-35-24-200	24V	30V-48V	200W	1.5m <sup>3</sup> /h	35m	0.75"	2m	<55V	≥1.3*PUMP POWER
2DPC1.7-45-24-300	24V	30V-48V	300W	1.7m <sup>3</sup> /h	45m	0.75"	2m	<55V	≥1.3*PUMP POWER
2DPC1.7-64-48-400	48V	60V-90V	400W	1.7m <sup>3</sup> /h	64m	0.75"	2m	<105V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 3DSS

3"DC BRUSHLESS SCREW SOLAR PUMP

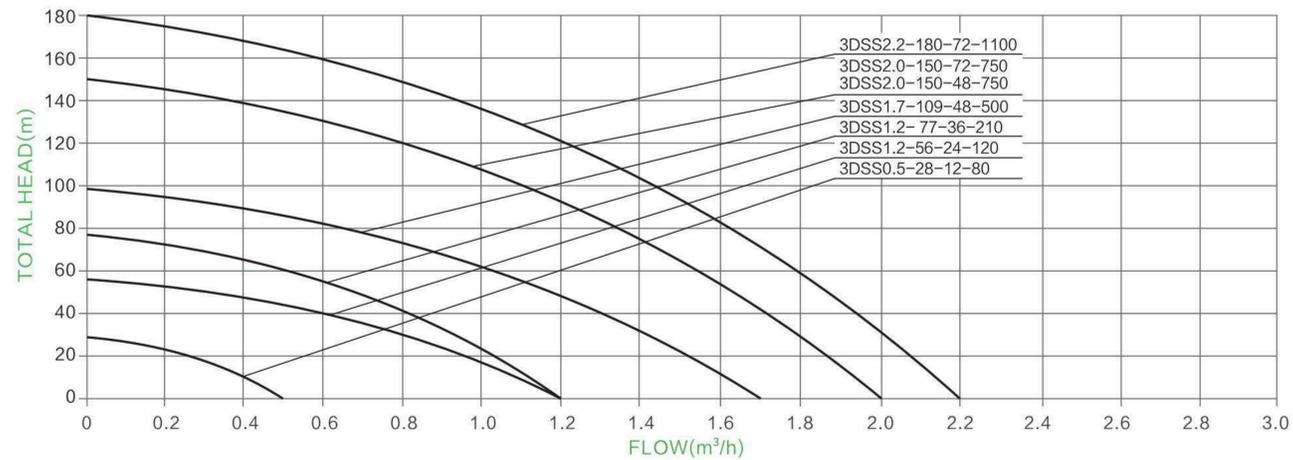


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DSS0.5-28-12-80	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	<55V	≥1.3*PUMP POWER
3DSS1.2-56-24-120	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	<55V	≥1.3*PUMP POWER
3DSS1.2-77-36-210	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	<55V	≥1.3*PUMP POWER
3DSS1.7-109-48-500	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	<105V	≥1.3*PUMP POWER
3DSS2.0-150-48-750	48V	60V-90V	750W	2.0m³/h	150m	0.75"	2m	<105V	≥1.3*PUMP POWER
3DSS2.0-150-72-750	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	<160V	≥1.3*PUMP POWER
3DSS2.2-180-72-1100	72V	90V-120V	1100W	2.2m³/h	180m	0.75"	2m	<160V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES

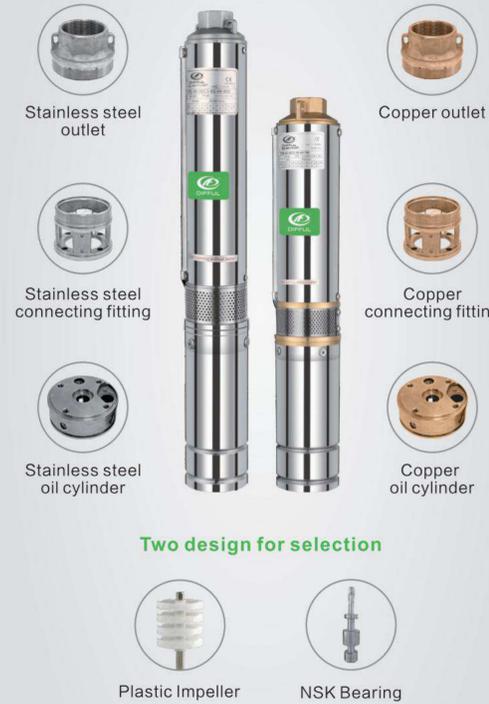


## FREE SPARE PARTS



# 3DPC

3"DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection

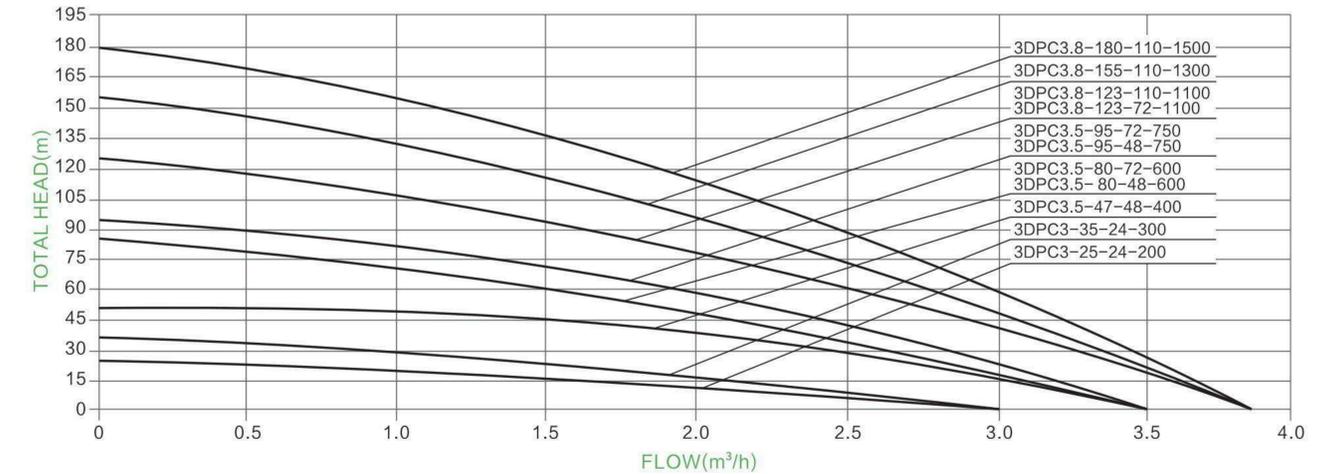


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DPC3-25-24-200	24V	30V-48V	200W	3.0m³/h	25m	1.25"	2m	<55V	≥1.3*PUMP POWER
3DPC3-35-24-300	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	<55V	≥1.3*PUMP POWER
3DPC3.5-47-48-400	48V	60V-90V	400W	3.5m³/h	47m	1.25"	2m	<105V	≥1.3*PUMP POWER
3DPC3.5-80-48-600	48V	60V-90V	600W	3.5m³/h	80m	1.25"	2m	<105V	≥1.3*PUMP POWER
3DPC3.5-80-72-600	72V	90V-120V	600W	3.5m³/h	80m	1.25"	2m	<160V	≥1.3*PUMP POWER
3DPC3.5-95-48-750	48V	60V-90V	750W	3.5m³/h	95m	1.25"	2m	<105V	≥1.3*PUMP POWER
3DPC3.5-95-72-750	72V	90V-120V	750W	3.5m³/h	95m	1.25"	2m	<160V	≥1.3*PUMP POWER
3DPC3.8-123-72-1100	72V	90V-120V	1100W	3.8m³/h	123m	1.25"	2m	<160V	≥1.3*PUMP POWER
3DPC3.8-123-110-1100	110V	110V-150V	1100W	3.8m³/h	123m	1.25"	2m	<210V	≥1.3*PUMP POWER
3DPC3.8-155-110-1300	110V	110V-150V	1300W	3.8m³/h	155m	1.25"	2m	<210V	≥1.3*PUMP POWER
3DPC3.8-180-110-1500	110V	110V-150V	1500W	3.8m³/h	180m	1.25"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 3DPC

3" DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection

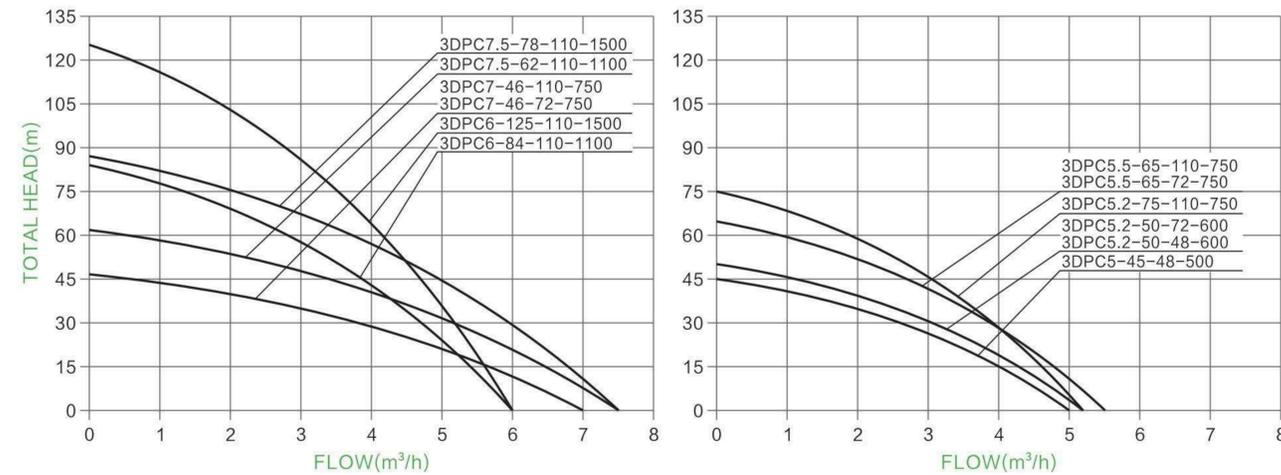


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DPC5-45-48-500	48V	60V-90V	500W	5m³/h	45m	1.5"	2m	<105V	≥1.3*PUMP POWER
3DPC5.2-50-48-600	48V	60V-90V	600W	5.2m³/h	50m	1.5"	2m	<105V	≥1.3*PUMP POWER
3DPC5.2-50-72-600	72V	90V-120V	600W	5.2m³/h	50m	1.5"	2m	<160V	≥1.3*PUMP POWER
3DPC5.2-75-110-750	110V	110V-150V	750W	5.2m³/h	75m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC5.5-65-72-750	72V	90V-120V	750W	5.5m³/h	65m	1.5"	2m	<160V	≥1.3*PUMP POWER
3DPC5.5-65-110-750	110V	110V-150V	750W	5.5m³/h	65m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC6-84-110-1100	110V	110V-150V	1100W	6m³/h	84m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC6-125-110-1500	110V	110V-150V	1500W	6m³/h	125m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC7-46-72-750	72V	90V-120V	750W	7m³/h	46m	1.5"	2m	<160V	≥1.3*PUMP POWER
3DPC7-46-110-750	110V	110V-150V	750W	7m³/h	46m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC7.5-62-110-1100	110V	110V-150V	1100W	7.5m³/h	62m	1.5"	2m	<210V	≥1.3*PUMP POWER
3DPC7.5-78-110-1500	110V	110V-150V	1500W	7.5m³/h	78m	1.5"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 3DSC

3" DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER

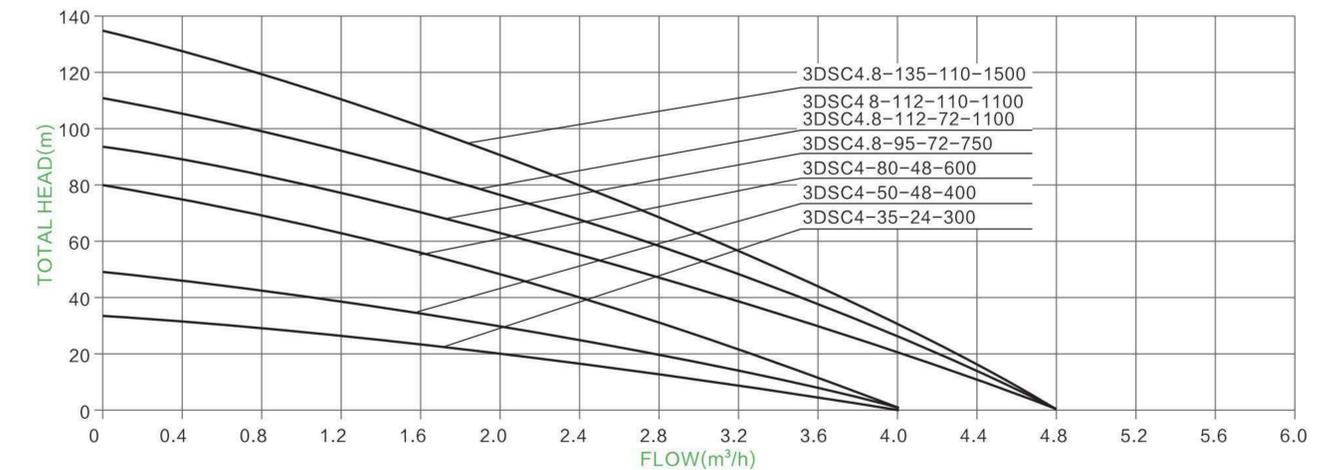


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DSC4-35-24-300	24V	30V-48V	300W	4m³/h	35m	1.25"	2m	<55V	≥1.3*PUMP POWER
3DSC4-50-48-400	48V	60V-90V	400W	4m³/h	50m	1.25"	2m	<105V	≥1.3*PUMP POWER
3DSC4-80-48-600	48V	60V-90V	600W	4m³/h	80m	1.25"	2m	<105V	≥1.3*PUMP POWER
3DSC4.8-95-72-750	72V	90V-120V	750W	4.8m³/h	95m	1.25"	2m	<160V	≥1.3*PUMP POWER
3DSC4.8-112-72-1100	72V	90V-120V	1100W	4.8m³/h	112m	1.25"	2m	<160V	≥1.3*PUMP POWER
3DSC4.8-112-110-1100	110V	110V-150V	1100W	4.8m³/h	112m	1.25"	2m	<210V	≥1.3*PUMP POWER
3DSC4.8-135-110-1500	110V	110V-150V	1500W	4.8m³/h	135m	1.25"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DPC

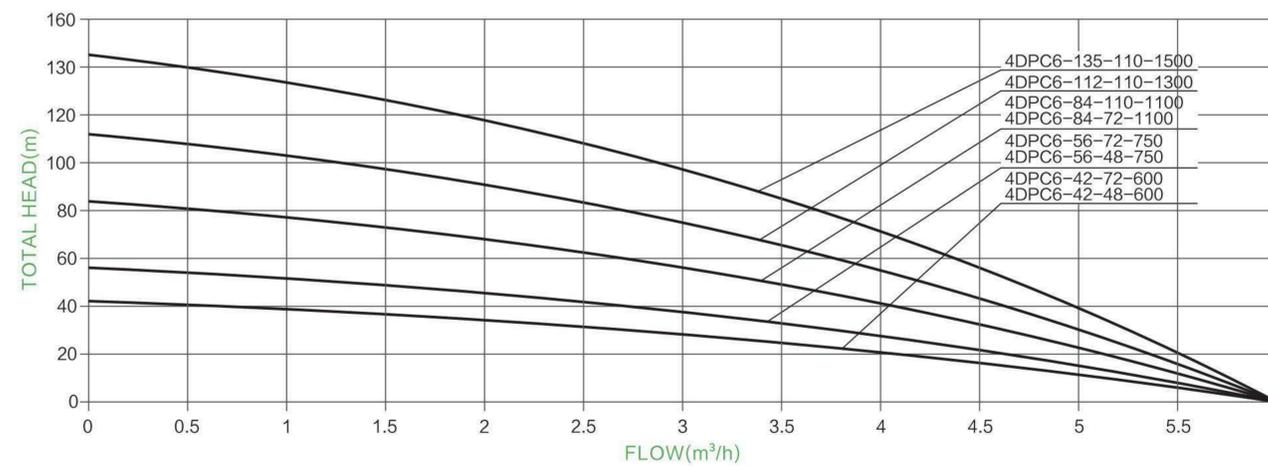
4" DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DPC6-42-48-600	48V	60V-90V	600W	6.0m³/h	42m	1.25"	2m	<105V	≥1.3*PUMP POWER
4DPC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DPC6-56-48-750	48V	60V-90V	750W	6.0m³/h	56m	1.25"	2m	<105V	≥1.3*PUMP POWER
4DPC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DPC6-84-72-1100	72V	90V-120V	1100W	6.0m³/h	84m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DPC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DPC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DPC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DPC

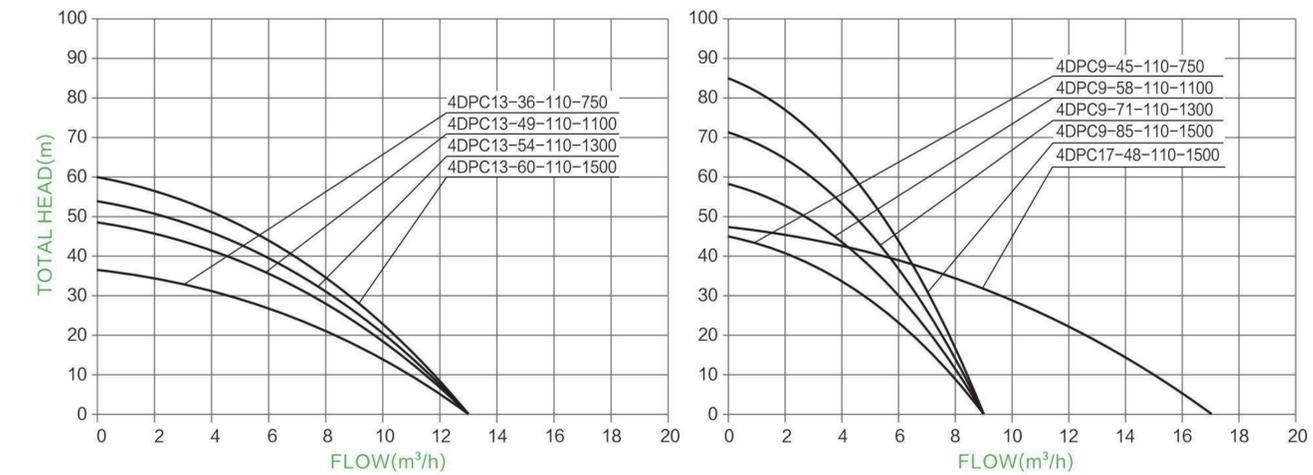
4" DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DPC9-45-110-750	110V	110V-150V	750W	9.0m³/h	45m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC9-58-110-1100	110V	110V-150V	1100W	9.0m³/h	58m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC9-71-110-1300	110V	110V-150V	1300W	9.0m³/h	71m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC9-85-110-1500	110V	110V-150V	1500W	9.0m³/h	85m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC13-36-110-750	110V	110V-150V	750W	13.0m³/h	36m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC13-49-110-1100	110V	110V-150V	1100W	13.0m³/h	49m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC13-54-110-1300	110V	110V-150V	1300W	13.0m³/h	54m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC13-60-110-1500	110V	110V-150V	1500W	13.0m³/h	60m	2"	2m	<210V	≥1.3*PUMP POWER
4DPC17-48-110-1500	110V	110V-150V	1500W	17.0m³/h	48m	2"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES

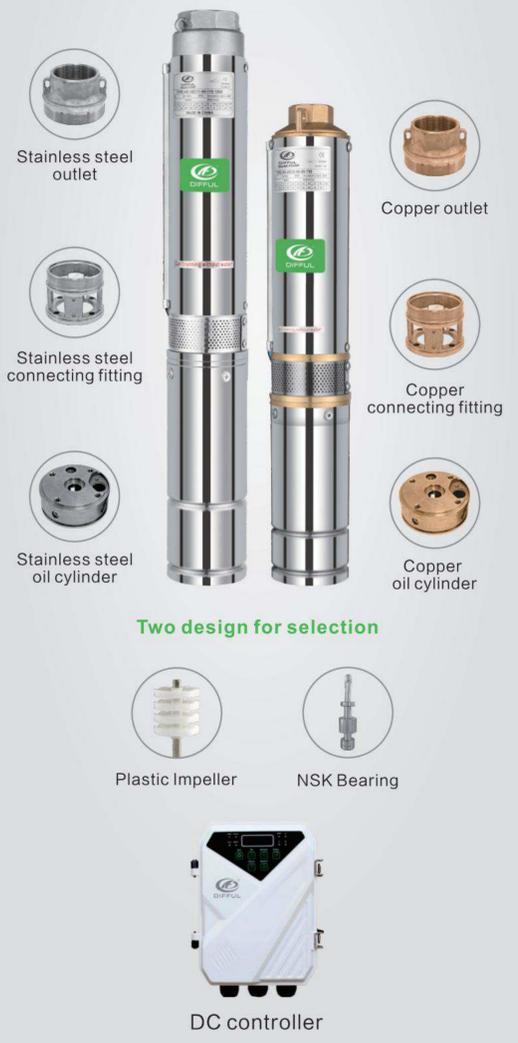


## FREE SPARE PARTS



# 4DLR

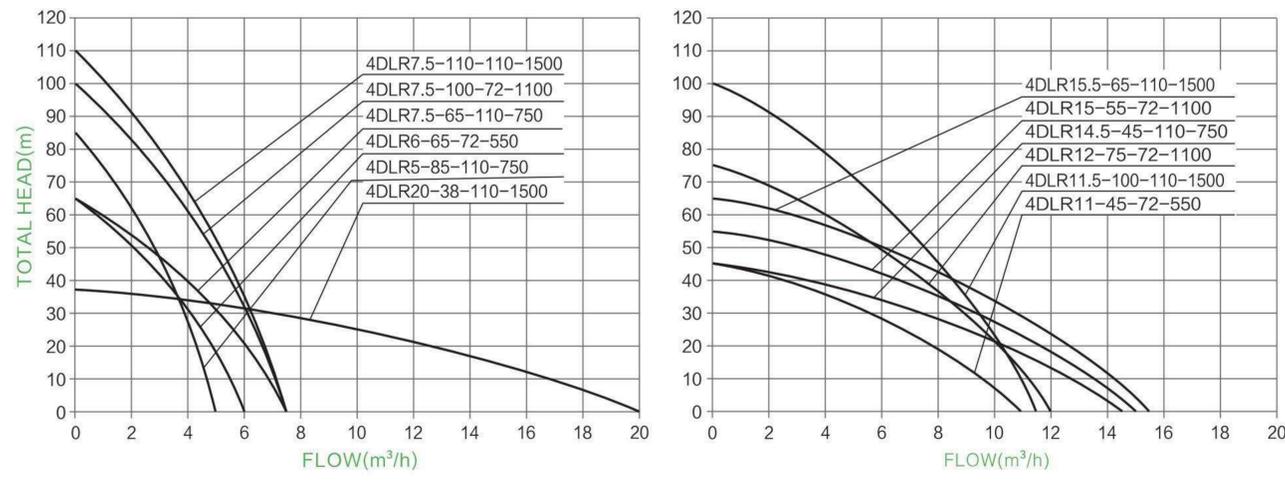
4"DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DLR5-85-110-750	110V	110V-150V	750W	5m³/h	85m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DLR6-65-72-550	72V	90V-120V	550W	6m³/h	65m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DLR7.5-65-110-750	110V	110V-150V	750W	7.5m³/h	65m	2"	2m	<210V	≥1.3*PUMP POWER
4DLR7.5-100-72-1100	72V	90V-120V	1100W	7.5m³/h	100m	2"	2m	<160V	≥1.3*PUMP POWER
4DLR7.5-110-110-1500	110V	110V-150V	1500W	7.5m³/h	110m	2"	2m	<210V	≥1.3*PUMP POWER
4DLR11-45-72-550	72V	90V-120V	550W	11m³/h	45m	2"	2m	<160V	≥1.3*PUMP POWER
4DLR12-75-72-1100	72V	90V-120V	1100W	12m³/h	75m	2"	2m	<160V	≥1.3*PUMP POWER
4DLR11.5-100-110-1500	110V	110V-150V	1500W	11.5m³/h	100m	2"	2m	<210V	≥1.3*PUMP POWER
4DLR14.5-45-110-750	110V	110V-150V	750W	14.5m³/h	45m	2"	2m	<210V	≥1.3*PUMP POWER
4DLR15-55-72-1100	72V	90V-120V	1100W	15m³/h	55m	2"	2m	<160V	≥1.3*PUMP POWER
4DLR15.5-65-110-1500	110V	110V-150V	1500W	15.5m³/h	65m	2"	2m	<210V	≥1.3*PUMP POWER
4DLR20-38-110-1500	110V	110V-150V	1500W	20m³/h	38m	2"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



## SOLAR PANEL RECOMMENDATION

4DLR6-65-72-550 4DLR11-45-72-550	
4DLR5-85-110-750 4DLR7.5-65-110-750 4DLR14.5-45-110-750	
4DLR7.5-100-72-1100 4DLR12-75-72-1100 4DLR15-55-72-1100	
4DLR7.5-110-110-1500 4DLR11.5-100-110-1500 4DLR15.5-65-110-1500 4DLR20-38-110-1500	

# 4DSC

4" DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing

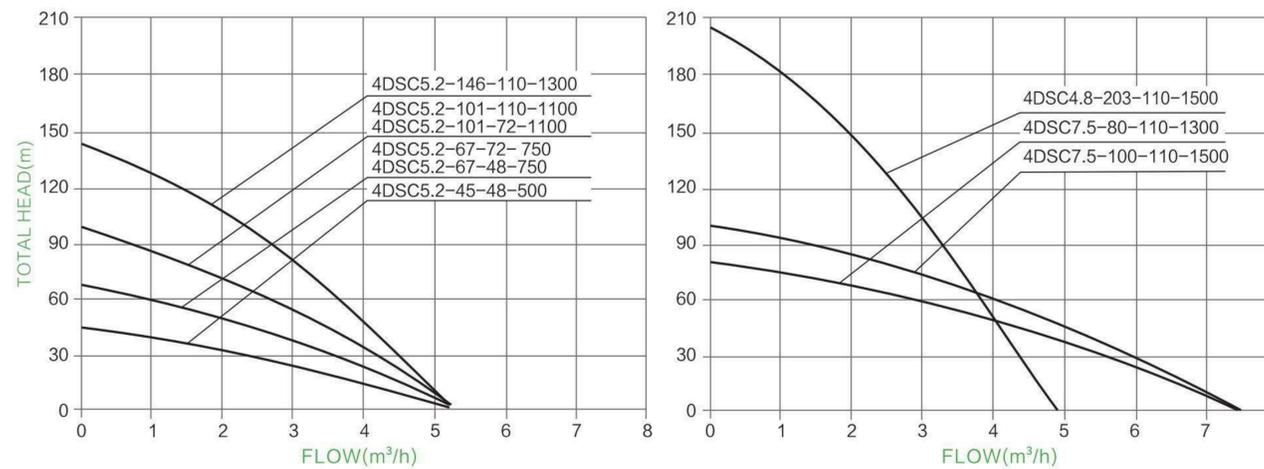


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC5.2-45-48-500	48V	60V-90V	500W	5.2m³/h	45m	1.25"	2m	<105V	≥1.3*PUMP POWER
4DSC5.2-67-48-750	48V	60V-90V	750W	5.2m³/h	67m	1.25"	2m	<105V	≥1.3*PUMP POWER
4DSC5.2-67-72-750	72V	90V-120V	750W	5.2m³/h	67m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DSC5.2-101-72-1100	72V	90V-120V	1100W	5.2m³/h	101m	1.25"	2m	<160V	≥1.3*PUMP POWER
4DSC5.2-101-110-1100	110V	110V-150V	1100W	5.2m³/h	101m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DSC5.2-146-110-1300	110V	110V-150V	1300W	5.2m³/h	146m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DSC4.8-203-110-1500	110V	110V-150V	1500W	4.8m³/h	203m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DSC7.5-80-110-1300	110V	110V-150V	1300W	7.5m³/h	80m	1.25"	2m	<210V	≥1.3*PUMP POWER
4DSC7.5-100-110-1500	110V	110V-150V	1500W	7.5m³/h	100m	1.25"	2m	<210V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DSC/4/6DSC

4" /6" DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing

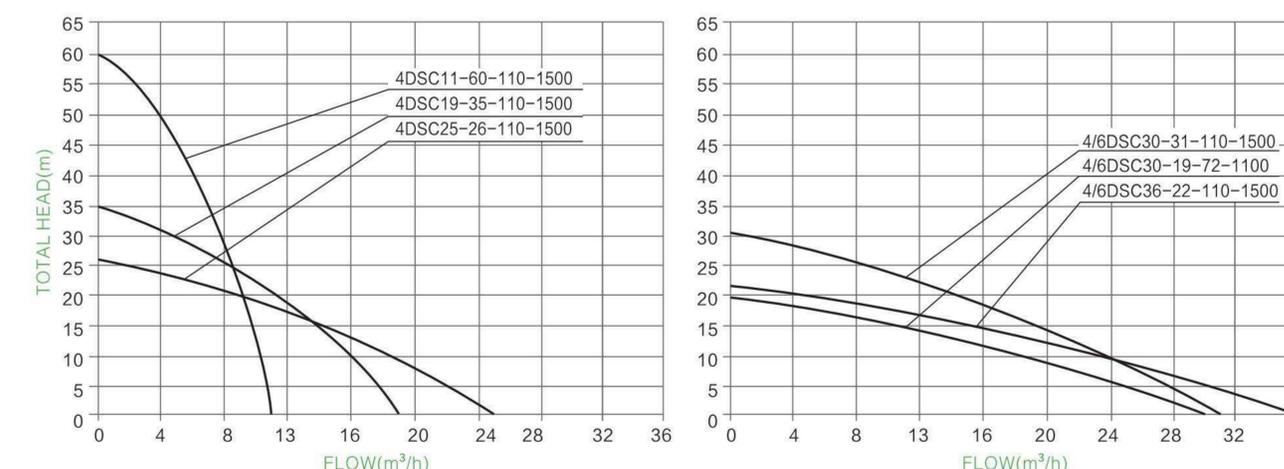


DC controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC11-60-110-1500	110V	110V-150V	1500W	11m³/h	60m	2"	2m	<210V	≥1.3*PUMP POWER
4DSC19-35-110-1500	110V	110V-150V	1500W	19m³/h	35m	2"	2m	<210V	≥1.3*PUMP POWER
4DSC25-26-110-1500	110V	110V-150V	1500W	25m³/h	26m	2"	2m	<210V	≥1.3*PUMP POWER
4/6DSC30-19-72-1100	72V	90V-120V	1100W	30m³/h	19m	3"	2m	<210V	≥1.3*PUMP POWER
4/6DSC36-22-110-1500	110V	110V-150V	1500W	36m³/h	22m	3"	2m	<210V	≥1.3*PUMP POWER
4/6DSC30-31-110-1500	110V	110V-150V	1500W	30m³/h	31m	3"	2m	<210V	≥1.3*PUMP POWER

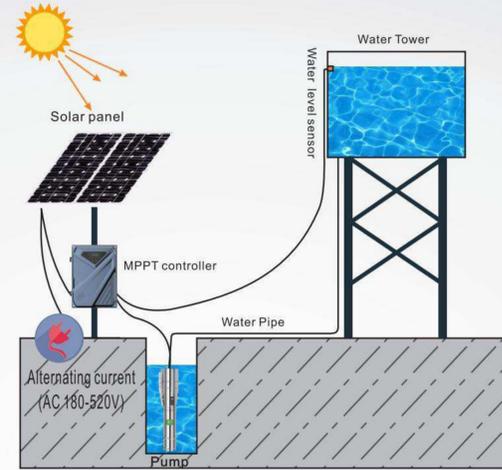
## HYDRAULIC PERFORMANCE CURVES



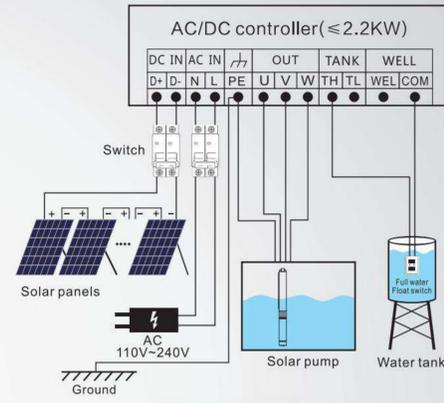
## FREE SPARE PARTS



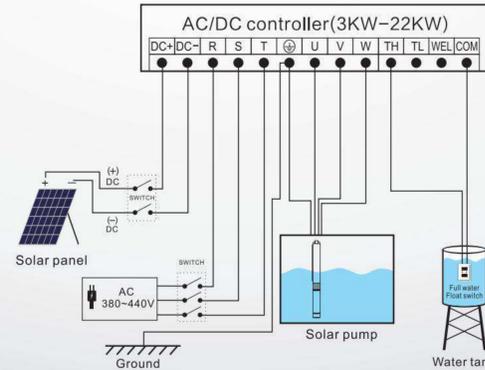
# AC/DC HYBRID & WIDE VOLTAGE SUBMERSIBLE PUMP



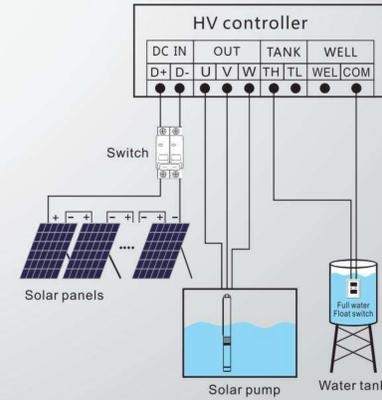
AC/DC EXTERNAL CONTROLLER TYPE



AC:85-280V  
DC:80-430V



AC: 323-528V  
DC: 200-780V



DC:80-430V

## 3DPC-A/D 3DPC-HV

3" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection



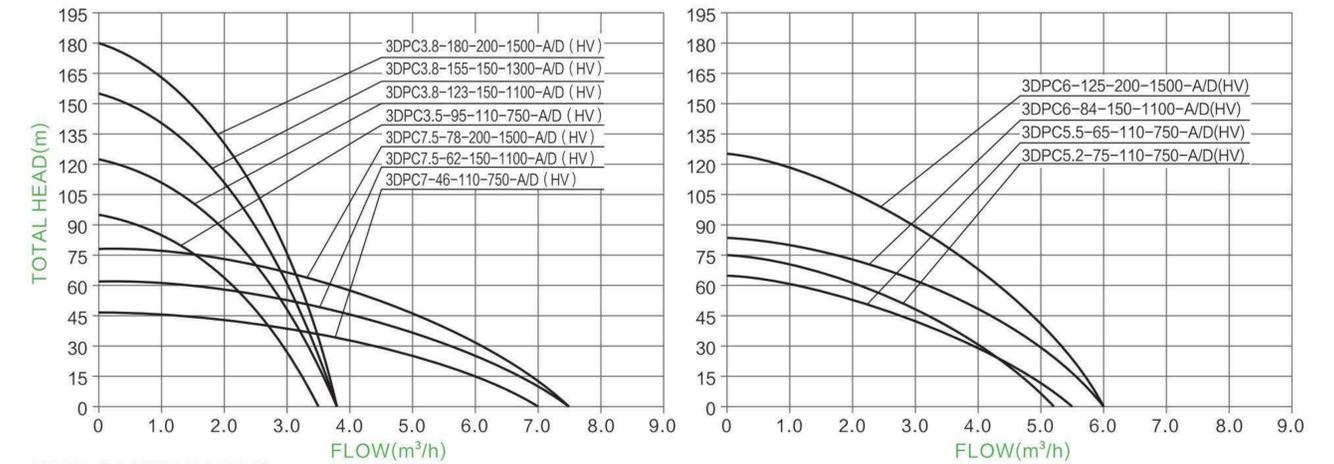
AC/DC auto-switching controller (≤2.2KW)

Wide Voltage HV Controller

### TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DPC3.5-95-110-750-A/D	85V-280V	80V-430V	750W	3.5m³/h	95m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DPC3.5-95-110-750-HV	/	/	/	/	/	/	/	/	/
3DPC3.8-123-150-1100-A/D	85V-280V	80V-430V	1100W	3.8m³/h	123m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DPC3.8-123-150-1100-HV	/	/	/	/	/	/	/	/	/
3DPC3.8-155-150-1300-A/D	85V-280V	80V-430V	1300W	3.8m³/h	155m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DPC3.8-155-150-1300-HV	/	/	/	/	/	/	/	/	/
3DPC3.8-180-200-1500-A/D	85V-280V	80V-430V	1500W	3.8m³/h	180m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DPC3.8-180-200-1500-HV	/	/	/	/	/	/	/	/	/
3DPC5.2-75-110-750-A/D	85V-280V	80V-430V	750W	5.2m³/h	75m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC5.2-75-110-750-HV	/	/	/	/	/	/	/	/	/
3DPC5.5-65-110-750-A/D	85V-280V	80V-430V	750W	5.5m³/h	65m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC5.5-65-110-750-HV	/	/	/	/	/	/	/	/	/
3DPC6-84-150-1100-A/D	85V-280V	80V-430V	1100W	6m³/h	84m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC6-84-150-1100-HV	/	/	/	/	/	/	/	/	/
3DPC6-125-200-1500-A/D	85V-280V	80V-430V	1500W	6m³/h	125m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC6-125-200-1500-HV	/	/	/	/	/	/	/	/	/
3DPC7-46-110-750-A/D	85V-280V	80V-430V	750W	7m³/h	46m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC7-46-110-750-HV	/	/	/	/	/	/	/	/	/
3DPC7.5-62-150-1100-A/D	85V-280V	80V-430V	1100W	7.5m³/h	62m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC7.5-62-150-1100-HV	/	/	/	/	/	/	/	/	/
3DPC7.5-78-200-1500-A/D	85V-280V	80V-430V	1500W	7.5m³/h	78m	1.5"	2m	<430V	≥1.3*PUMP POWER
3DPC7.5-78-200-1500-HV	/	/	/	/	/	/	/	/	/

### PERFORMANCE CURVES



### FREE SPARE PARTS



# 3DSC-A/D 3DSC-HV

3" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing



AC/DC auto-switching controller (≤2.2KW)

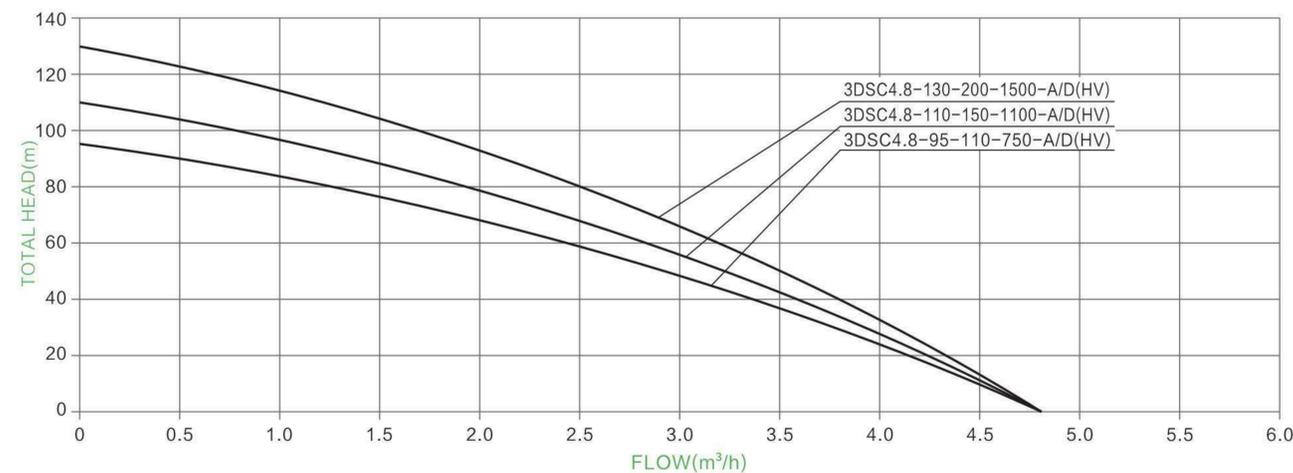


Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
3DSC4.8-95-110-750-A/D	85V-280V	80V-430V	750W	4.8m³/h	95m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DSC4.8-95-110-750-HV	/								
3DSC4.8-110-150-1100-A/D	85V-280V	80V-430V	1100W	4.8m³/h	110m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DSC4.8-110-150-1100-HV	/								
3DSC4.8-130-200-1500-A/D	85V-280V	80V-430V	1500W	4.8m³/h	130m	1.25"	2m	<430V	≥1.3*PUMP POWER
3DSC4.8-130-200-1500-HV	/								

## HYDRAULIC PERFORMANCE CURVES

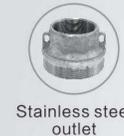


## FREE SPARE PARTS



# 4DPC-A/D 4DPC-HV

4" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Stainless steel outlet



Copper outlet



Stainless steel connecting fitting



Copper connecting fitting



Stainless steel oil cylinder



Copper oil cylinder



Plastic Impeller



NSK Bearing



AC/DC auto-switching controller (≤2.2KW)



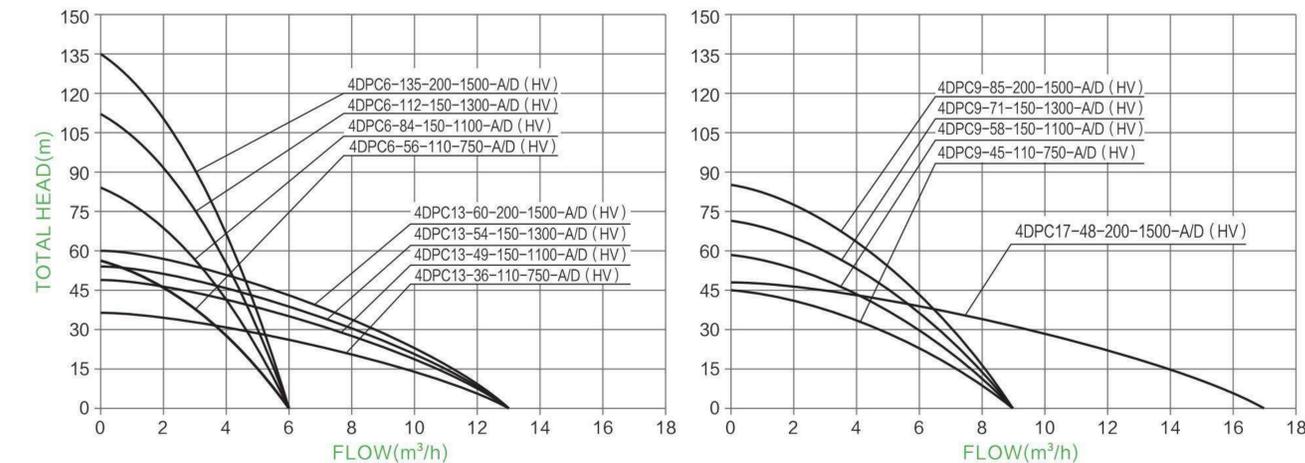
Wide Voltage HV Controller

Two design for selection

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DPC6-56-110-750-A/D	85V-280V	80V-430V	750W	6m³/h	56m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DPC6-56-110-750-HV	/								
4DPC6-84-150-1100-A/D	85V-280V	80V-430V	1100W	6m³/h	84m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DPC6-84-150-1100-HV	/								
4DPC6-112-150-1300-A/D	85V-280V	80V-430V	1300W	6m³/h	112m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DPC6-112-150-1300-HV	/								
4DPC6-135-200-1500-A/D	85V-280V	80V-430V	1500W	6m³/h	135m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DPC6-135-200-1500-HV	/								
4DPC9-45-110-750-A/D	85V-280V	80V-430V	750W	9m³/h	45m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC9-45-110-750-HV	/								
4DPC9-58-150-1100-A/D	85V-280V	80V-430V	1100W	9m³/h	58m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC9-58-150-1100-HV	/								
4DPC9-71-150-1300-A/D	85V-280V	80V-430V	1300W	9m³/h	71m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC9-71-150-1300-HV	/								
4DPC9-85-200-1500-A/D	85V-280V	80V-430V	1500W	9m³/h	85m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC9-85-200-1500-HV	/								
4DPC13-36-110-750-A/D	85V-280V	80V-430V	750W	13m³/h	36m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC13-36-110-750-HV	/								
4DPC13-49-150-1100-A/D	85V-280V	80V-430V	1100W	13m³/h	49m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC13-49-150-1100-HV	/								
4DPC13-54-150-1300-A/D	85V-280V	80V-420V	1300W	13m³/h	54m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC13-54-150-1300-HV	/								
4DPC13-60-200-1500-A/D	85V-280V	80V-430V	1500W	13m³/h	60m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC13-60-200-1500-HV	/								
4DPC17-48-200-1500-A/D	85V-280V	80V-430V	1500W	17m³/h	48m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC17-48-200-1500-HV	/								

## PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DLR-A/D 4DLR-HV

4" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection



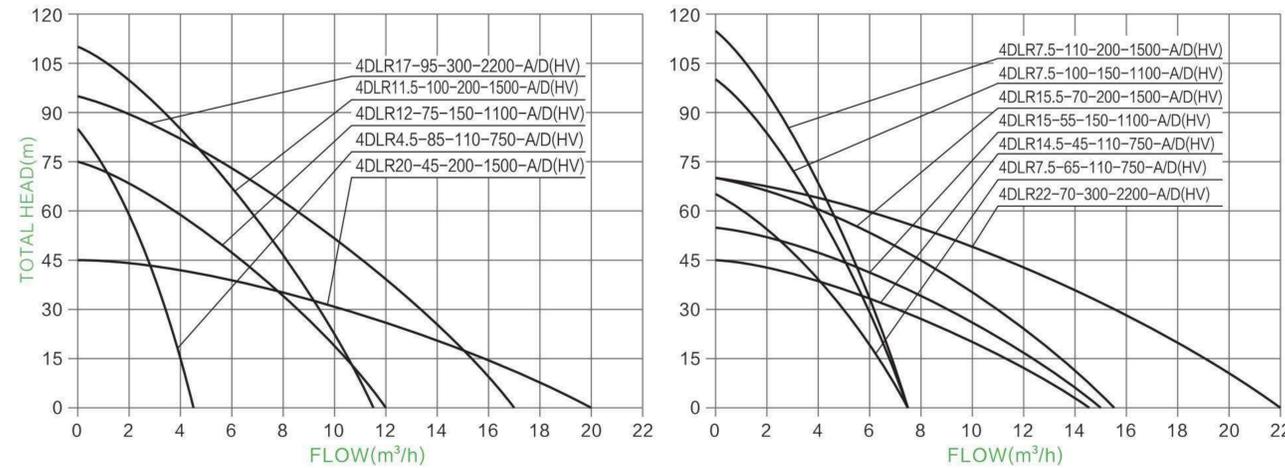
AC/DC auto-switching controller (≤2.2KW)

Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DLR4.5-85-110-750-A/D	85V-280V	80V-430V	750W	4.5m³/h	85m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DLR4.5-85-110-750-HV	/	/	/	/	/	/	/	/	/
4DLR7.5-65-110-750-A/D	85V-280V	80V-430V	750W	7.5m³/h	65m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR7.5-65-110-750-HV	/	/	/	/	/	/	/	/	/
4DLR7.5-100-150-1100-A/D	85V-280V	80V-430V	1100W	7.5m³/h	100m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR7.5-100-150-1100-HV	/	/	/	/	/	/	/	/	/
4DLR7.5-110-200-1500-A/D	85V-280V	80V-430V	1500W	7.5m³/h	110m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR7.5-110-200-1500-HV	/	/	/	/	/	/	/	/	/
4DLR12-75-150-1100-A/D	85V-280V	80V-430V	1100W	12m³/h	75m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR12-75-150-1100-HV	/	/	/	/	/	/	/	/	/
4DLR11.5-100-200-1500-A/D	85V-280V	80V-430V	1500W	11.5m³/h	100m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR11.5-100-200-1500-HV	/	/	/	/	/	/	/	/	/
4DLR14.5-45-110-750-A/D	85V-280V	80V-430V	750W	14.5m³/h	45m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR14.5-45-110-750-HV	/	/	/	/	/	/	/	/	/
4DLR15-55-150-1100-A/D	85V-280V	80V-430V	1100W	15m³/h	55m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR15-55-150-1100-HV	/	/	/	/	/	/	/	/	/
4DLR15.5-70-200-1500-A/D	85V-280V	80V-430V	1500W	15.5m³/h	70m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR15.5-70-200-1500-HV	/	/	/	/	/	/	/	/	/
4DLR17-95-300-2200-A/D	85V-280V	80V-430V	2200W	17m³/h	95m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR17-95-300-2200-HV	/	/	/	/	/	/	/	/	/
4DLR20-45-200-1500-A/D	85V-280V	80V-430V	1500W	20m³/h	45m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR20-45-200-1500-HV	/	/	/	/	/	/	/	/	/
4DLR22-70-300-2200-A/D	85V-280V	80V-430V	2200W	22m³/h	70m	2"	2m	<430V	≥1.3*PUMP POWER
4DLR22-70-300-2200-HV	/	/	/	/	/	/	/	/	/

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DPC-A/D 4DPC-HV

4" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection



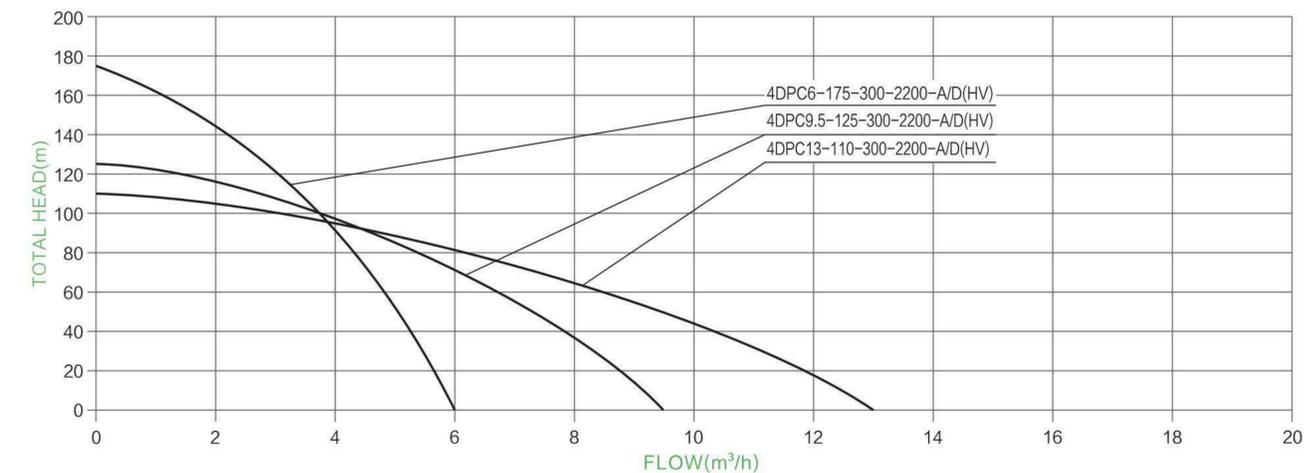
AC/DC auto-switching controller (≤2.2KW)

Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DPC6-175-300-2200-A/D	85V-280V	80V-430V	2200W	6m³/h	175m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DPC6-175-300-2200-HV	/	/	/	/	/	/	/	/	/
4DPC9.5-125-300-2200-A/D	85V-280V	80V-430V	2200W	9.5m³/h	125m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC9.5-125-300-2200-HV	/	/	/	/	/	/	/	/	/
4DPC13-110-300-2200-A/D	85V-280V	80V-430V	2200W	13m³/h	110m	2"	2m	<430V	≥1.3*PUMP POWER
4DPC13-110-300-2200-HV	/	/	/	/	/	/	/	/	/

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DSC-A/D 4DSC-HV

4" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing



AC/DC auto-switching controller (≤2.2KW)

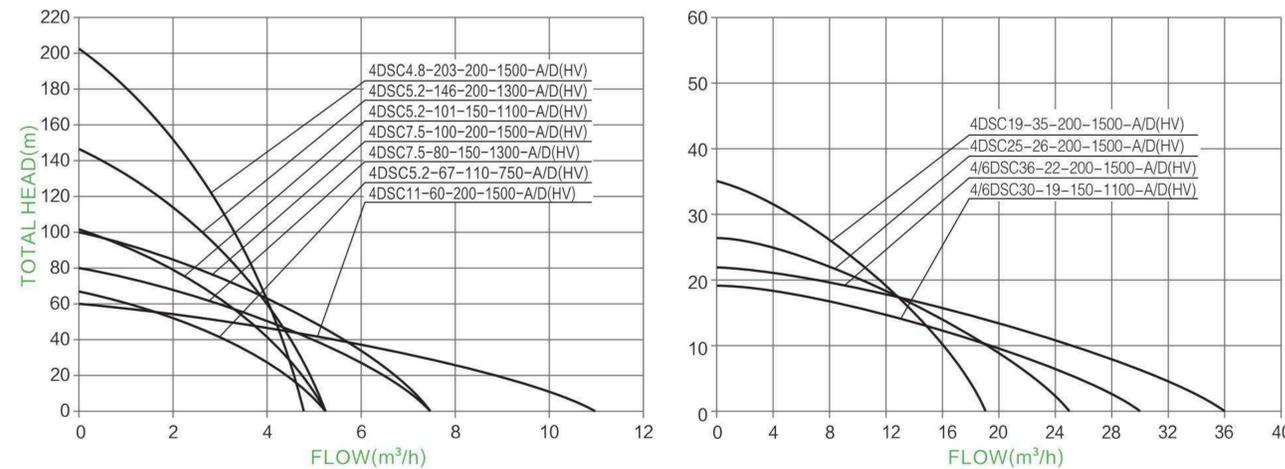


Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC5.2-67-110-750-A/D	85V-280V	80V-430V	750W	5.2m³/h	67m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC5.2-67-110-750-HV	/	/	/	/	/	/	/	/	/
4DSC4.8-203-200-1500-A/D	85V-280V	80V-430V	1500W	4.8m³/h	203m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC4.8-203-200-1500-HV	/	/	/	/	/	/	/	/	/
4DSC5.2-101-150-1100-A/D	85V-280V	80V-430V	1100W	5.2m³/h	101m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC5.2-101-150-1100-HV	/	/	/	/	/	/	/	/	/
4DSC5.2-146-200-1300-A/D	85V-280V	80V-430V	1300W	5.2m³/h	146m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC5.2-146-200-1300-HV	/	/	/	/	/	/	/	/	/
4DSC7.5-80-150-1300-A/D	85V-280V	80V-430V	1300W	7.5m³/h	80m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC7.5-80-150-1300-HV	/	/	/	/	/	/	/	/	/
4DSC7.5-100-200-1500-A/D	85V-280V	80V-430V	1500W	7.5m³/h	100m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC7.5-100-200-1500-HV	/	/	/	/	/	/	/	/	/
4DSC11-60-200-1500-A/D	85V-280V	80V-430V	1500W	11m³/h	60m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC11-60-200-1500-HV	/	/	/	/	/	/	/	/	/
4DSC19-35-200-1500-A/D	85V-280V	80V-430V	1500W	19m³/h	35m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC19-35-200-1500-HV	/	/	/	/	/	/	/	/	/
4DSC25-26-200-1500-A/D	85V-280V	80V-430V	1500W	25m³/h	26m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC25-26-200-1500-HV	/	/	/	/	/	/	/	/	/
4/6DSC30-19-150-1100-A/D	85V-280V	80V-430V	1100W	30m³/h	19m	3"	2m	<430V	≥1.3*PUMP POWER
4/6DSC30-19-150-1100-HV	/	/	/	/	/	/	/	/	/
4/6DSC36-22-200-1500-A/D	85V-280V	80V-430V	1500W	36m³/h	22m	3"	2m	<430V	≥1.3*PUMP POWER
4/6DSC36-22-200-1500-HV	/	/	/	/	/	/	/	/	/

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DSC-A/D 4DSC-HV

4" AC/DC & WIDE VOLTAGE BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing



AC/DC auto-switching controller (≤2.2KW)

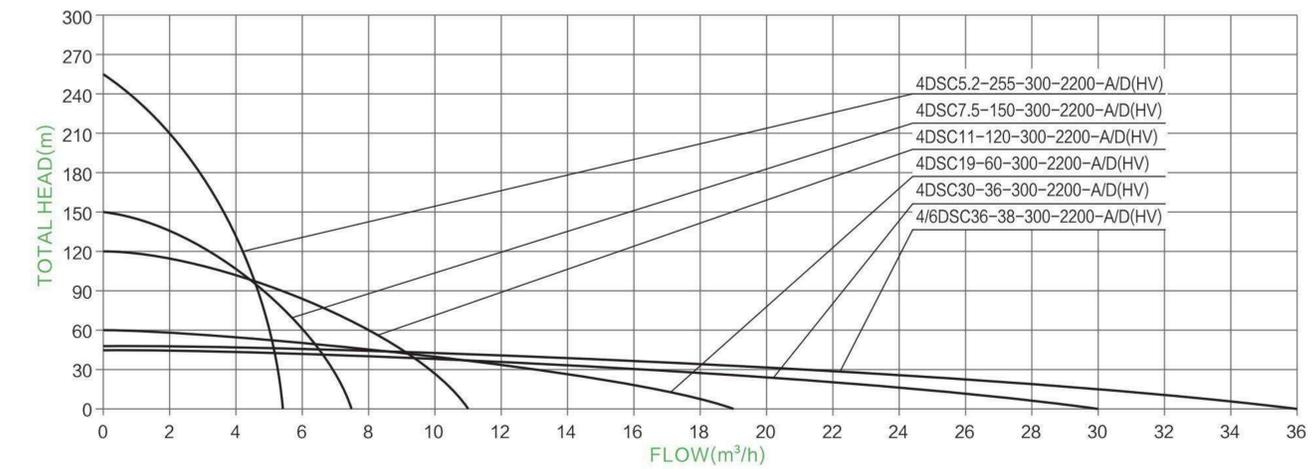


Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4DSC5.2-255-300-2200-A/D	85V-280V	80V-430V	2200W	5.2m³/h	255m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC5.2-255-300-2200-HV	/	/	/	/	/	/	/	/	/
4DSC7.5-150-300-2200-A/D	85V-280V	80V-430V	2200W	7.5m³/h	150m	1.25"	2m	<430V	≥1.3*PUMP POWER
4DSC7.5-150-300-2200-HV	/	/	/	/	/	/	/	/	/
4DSC11-120-300-2200-A/D	85V-280V	80V-430V	2200W	11m³/h	120m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC11-120-300-2200-HV	/	/	/	/	/	/	/	/	/
4DSC19-60-300-2200-A/D	85V-280V	80V-430V	2200W	19m³/h	60m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC19-60-300-2200-HV	/	/	/	/	/	/	/	/	/
4DSC30-36-300-2200-A/D	85V-280V	80V-430V	2200W	30m³/h	36m	2"	2m	<430V	≥1.3*PUMP POWER
4DSC30-36-300-2200-HV	/	/	/	/	/	/	/	/	/
4/6DSC36-38-300-2200-A/D	85V-280V	80V-430V	2200W	36m³/h	38m	3"	2m	<430V	≥1.3*PUMP POWER
4/6DSC36-38-300-2200-HV	/	/	/	/	/	/	/	/	/

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DPC-A/D (3KW-7.5KW)

4" AC/DC BRUSHLESS SOLAR PUMP WITH PLASTIC IMPELLER



Two design for selection

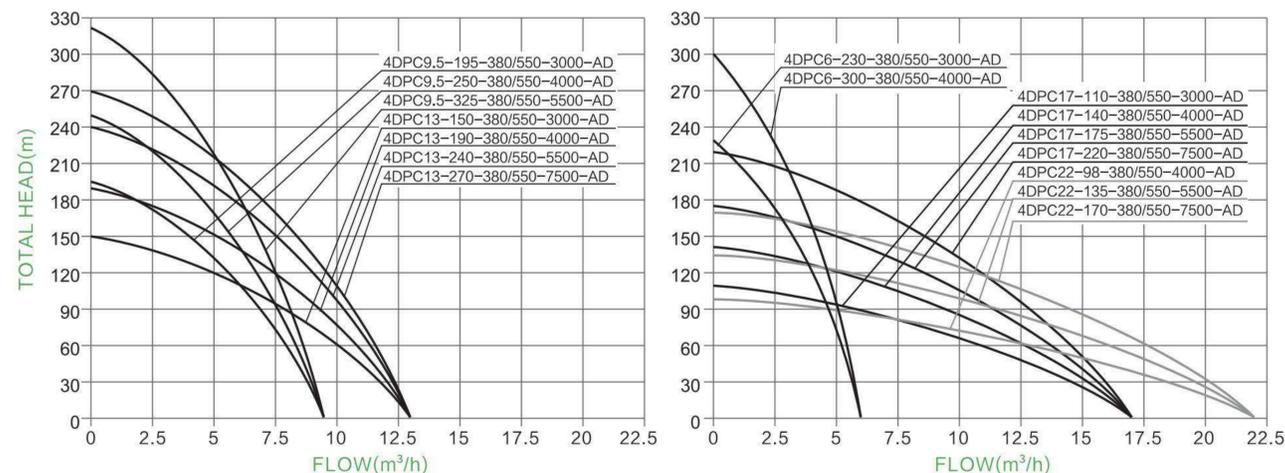


AC/DC auto-switching controller (5.5KW-22KW)  
AC/DC auto-switching controller (3KW-4KW)

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage (VOC)	Power
4DPC6-230-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	6m³/h	230m	1.25"	2m	<780V	≥1.3*PUMP POWER
4DPC6-300-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	6m³/h	300m	1.25"	2m	<780V	≥1.3*PUMP POWER
4DPC9.5-195-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	9.5m³/h	195m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC9.5-250-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	9.5m³/h	250m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC9.5-325-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	9.5m³/h	325m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC13-150-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	13m³/h	150m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC13-190-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	13m³/h	190m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC13-240-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	13m³/h	240m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC13-270-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	13m³/h	270m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC17-110-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	17m³/h	110m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC17-140-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	17m³/h	140m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC17-175-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	17m³/h	175m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC17-220-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	17m³/h	220m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC22-98-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	22m³/h	98m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC22-135-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	22m³/h	135m	2"	2m	<780V	≥1.3*PUMP POWER
4DPC22-170-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	22m³/h	170m	2"	2m	<780V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4DSC-A/D

4" AC/DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER

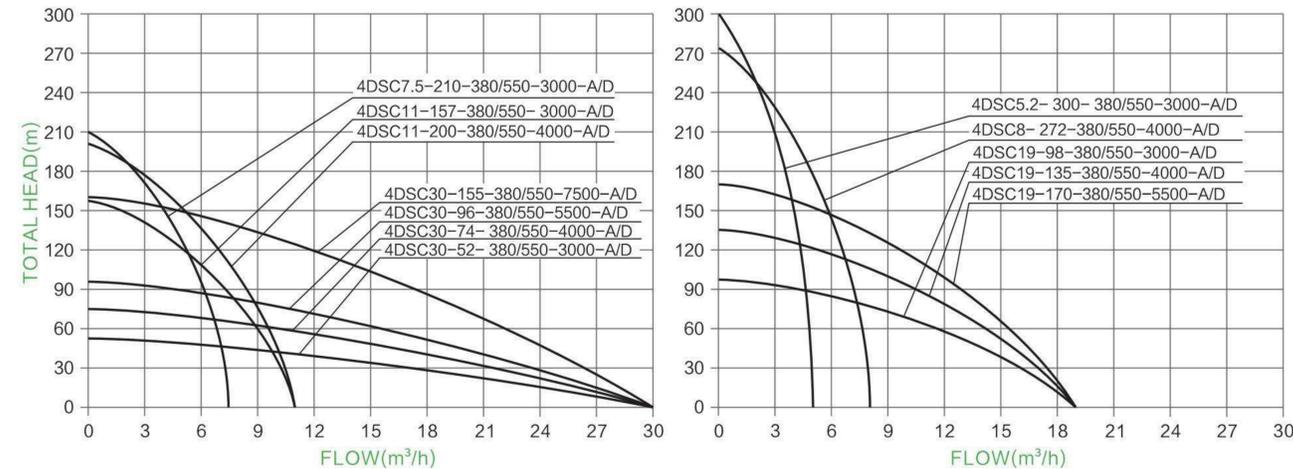


AC/DC auto-switching controller (5.5KW-22KW)  
AC/DC auto-switching controller (3KW-4KW)

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage (VOC)	Power
4DSC5.2-300-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	5.2m³/h	300m	1.25"	2m	<780V	≥1.3*PUMP POWER
4DSC7.5-210-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	7.5m³/h	210m	1.25"	2m	<780V	≥1.3*PUMP POWER
4DSC8-272-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	8m³/h	272m	1.25"	2m	<780V	≥1.3*PUMP POWER
4DSC11-157-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	11m³/h	157m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC11-200-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	11m³/h	200m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC19-98-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	19m³/h	98m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC19-135-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	19m³/h	135m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC19-170-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	19m³/h	170m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC30-52-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	30m³/h	52m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC30-74-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	30m³/h	74m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC30-96-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	30m³/h	96m	2"	2m	<780V	≥1.3*PUMP POWER
4DSC30-155-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	30m³/h	155m	2"	2m	<780V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 4/6DSC-A/D

6" AC/DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing



AC/DC auto-switching controller (5.5KW-22KW)

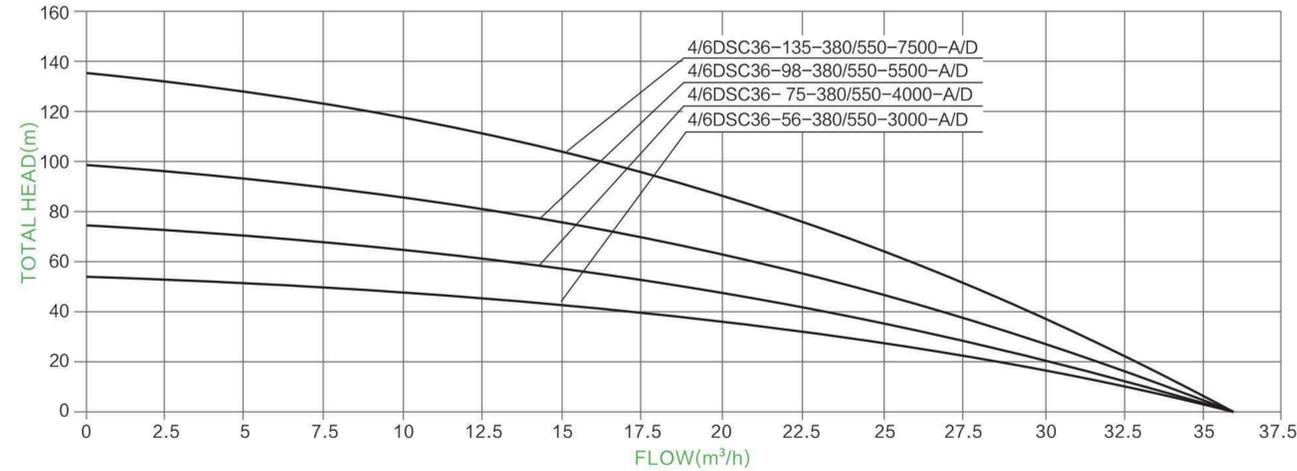


AC/DC auto-switching controller (3KW-4KW)

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
4/6DSC36-56-380/550-3000-A/D	AC380/DC550V	520V-650V	3000W	36m³/h	56m	3"	2m	<780V	≥1.3*PUMP POWER
4/6DSC36-75-380/550-4000-A/D	AC380/DC550V	520V-650V	4000W	36m³/h	75m	3"	2m	<780V	≥1.3*PUMP POWER
4/6DSC36-98-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	36m³/h	98m	3"	2m	<780V	≥1.3*PUMP POWER
4/6DSC36-135-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	36m³/h	135m	3"	2m	<780V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# 6DSC-A/D

6" AC/DC BRUSHLESS SOLAR PUMP WITH S/S IMPELLER



Stainless steel Impeller



Stainless steel oil cylinder



NSK Bearing

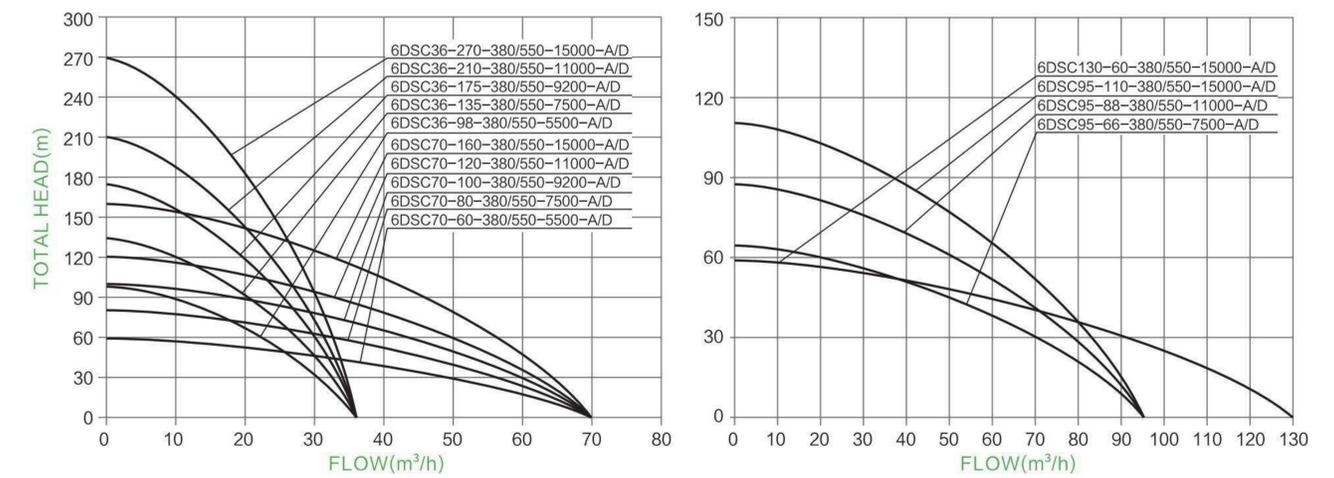


AC/DC auto-switching controller (5.5KW-22KW)

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
6DSC36-98-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	36m³/h	98m	3"	2m	<780V	≥1.3*PUMP POWER
6DSC36-135-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	36m³/h	135m	3"	2m	<780V	≥1.3*PUMP POWER
6DSC36-175-380/550-9200-A/D	AC380/DC550V	520V-650V	9200W	36m³/h	175m	3"	2m	<780V	≥1.3*PUMP POWER
6DSC36-210-380/550-11000-A/D	AC380/DC550V	520V-650V	11000W	36m³/h	210m	3"	2m	<780V	≥1.3*PUMP POWER
6DSC36-270-380/550-15000-A/D	AC380/DC550V	520V-650V	15000W	36m³/h	270m	3"	2m	<780V	≥1.3*PUMP POWER
6DSC70-60-380/550-5500-A/D	AC380/DC550V	520V-650V	5500W	70m³/h	60m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC70-80-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	70m³/h	80m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC70-100-380/550-9200-A/D	AC380/DC550V	520V-650V	9200W	70m³/h	100m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC70-120-380/550-11000-A/D	AC380/DC550V	520V-650V	11000W	70m³/h	120m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC70-160-380/550-15000-A/D	AC380/DC550V	520V-650V	15000W	70m³/h	160m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC95-66-380/550-7500-A/D	AC380/DC550V	520V-650V	7500W	95m³/h	66m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC95-88-380/550-11000-A/D	AC380/DC550V	520V-650V	11000W	95m³/h	88m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC95-110-380/550-15000-A/D	AC380/DC550V	520V-650V	15000W	95m³/h	110m	4"	2m	<780V	≥1.3*PUMP POWER
6DSC130-60-380/550-15000-A/D	AC380/DC550V	520V-650V	15000W	130m³/h	60m	4"	2m	<780V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES

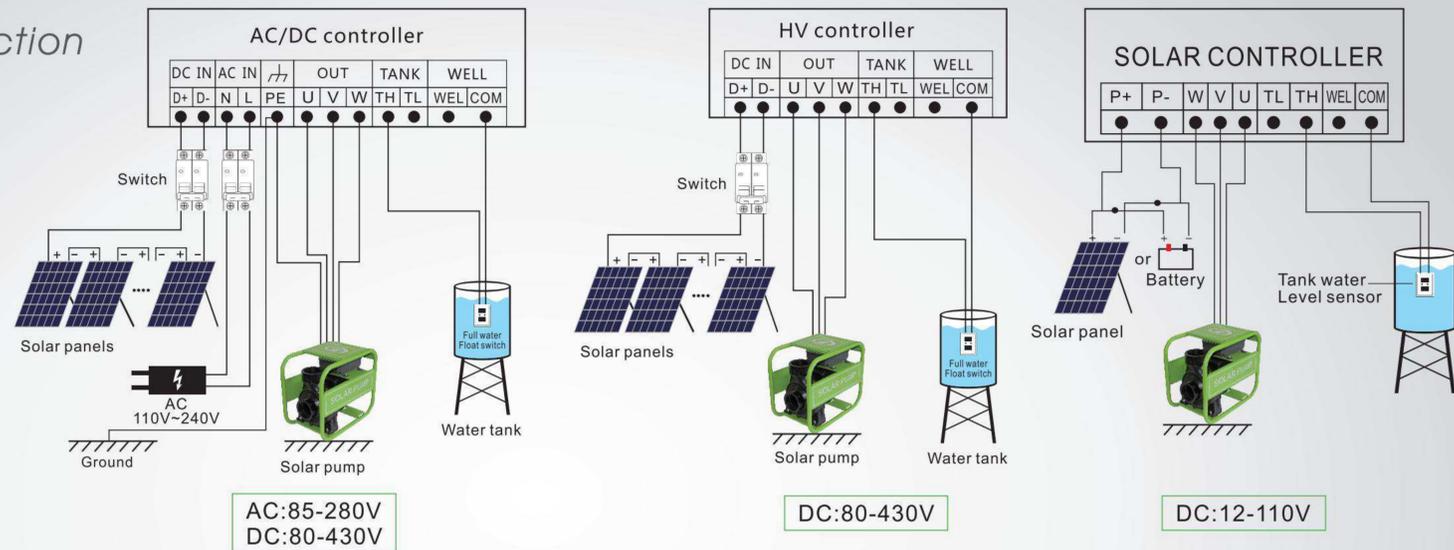


## FREE SPARE PARTS



# SOLAR SURFACE PUMP

Environmental protection and energy saving



# DCPM / DCPM-A/D DCPM-HV

DC & AC/DC & WIDE VOLTAGE BRUSHLESS CENTRIFUGAL SOLAR PUMP



DC controller



AC/DC auto-switching controller (≤2.2KW)



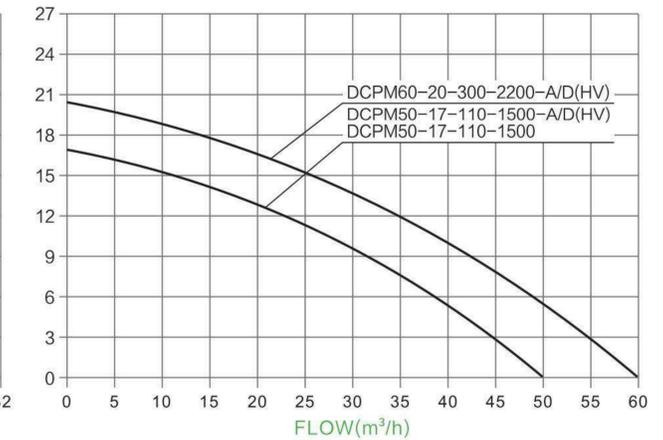
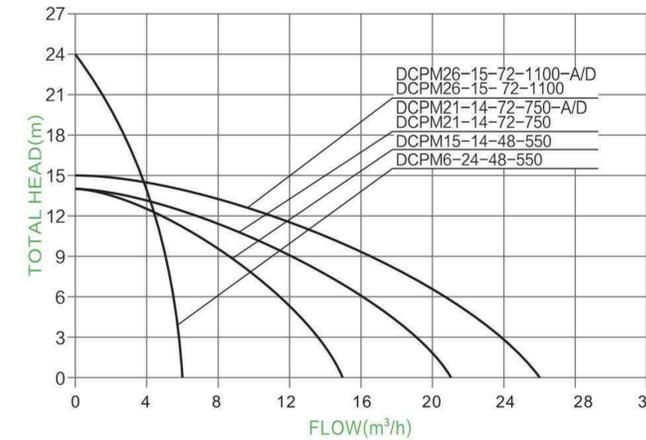
Wide Voltage HV Controller

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DCPM6-24-48-550	48V	60V-90V	550W	6m³/h	24m	1"	0.6m	<105V	≥1.3*PUMP POWER
DCPM15-14-48-550	48V	60V-90V	550W	15m³/h	14m	1.5"	0.6m	<105V	≥1.3*PUMP POWER
DCPM21-14-72-750	72V	90V-120V	750W	21m³/h	14m	2"	0.6m	<160V	≥1.3*PUMP POWER
DCPM26-15-72-1100	72V	90V-120V	1100W	26m³/h	15m	2"	0.6m	<160V	≥1.3*PUMP POWER
DCPM50-17-110-1500	110V	110V-150V	1500W	50m³/h	17m	3"	0.6m	<210V	≥1.3*PUMP POWER

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DCPM21-14-72-750-A/D	85V-280V	80V-430V	750W	21m³/h	14m	2"	0.6m	<430V	≥1.3*PUMP POWER
DCPM26-15-72-1100-A/D	85V-280V	80V-430V	1100W	26m³/h	15m	2"	0.6m	<430V	≥1.3*PUMP POWER
DCPM50-17-110-1500-A/D	85V-280V	80V-430V	1500W	50m³/h	17m	3"	0.6m	<430V	≥1.3*PUMP POWER
DCPM50-17-110-1500-HV	/	80V-430V	1500W	50m³/h	17m	3"	0.6m	<430V	≥1.3*PUMP POWER
DCPM60-20-300-2200-A/D	85V-280V	80V-430V	2200W	60m³/h	20m	4"	0.6m	<430V	≥1.3*PUMP POWER
DCPM60-20-300-2200-HV	/	80V-430V	2200W	60m³/h	20m	4"	0.6m	<430V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# DQB/DQB-A/D DZB/DZB-A/D

DC AND AC/DC BRUSHLESS SURFACE  
SOLAR PUMP



DQB



DZB



DC controller  
AC/DC auto-switching controller  
(≤2.2KW)

## TECHNICAL DATA

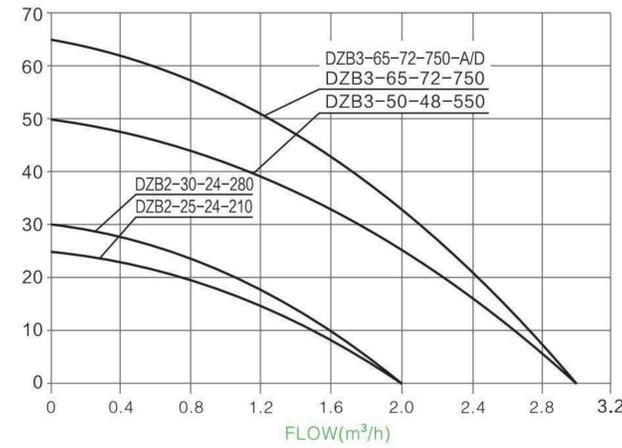
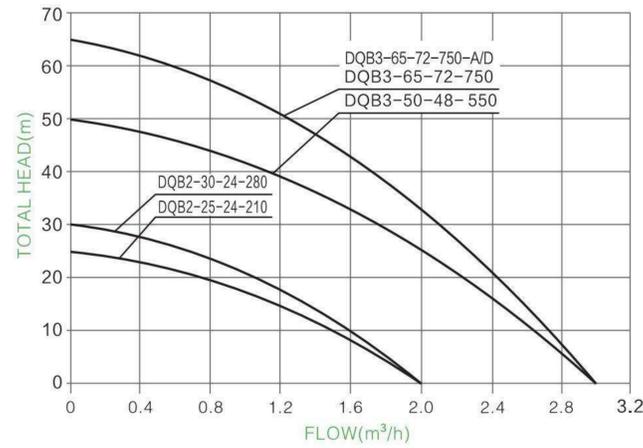
ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DQB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1×1"	2m	<55V	≥1.3*PUMP POWER
DQB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1×1"	2m	<55V	≥1.3*PUMP POWER
DQB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1×1"	2m	<105V	≥1.3*PUMP POWER
DQB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1×1"	2m	<160V	≥1.3*PUMP POWER

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DQB3-65-72-750-A/D	85V-280V	80V-430V	750W	3m³/h	65m	1×1"	2m	<430V	≥1.3*PUMP POWER

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DZB2-25-24-210	24V	30V-48V	210W	2m³/h	25m	1×1"	2m	<55V	≥1.3*PUMP POWER
DZB2-30-24-280	24V	30V-48V	280W	2m³/h	30m	1×1"	2m	<55V	≥1.3*PUMP POWER
DZB3-50-48-550	48V	60V-90V	550W	3m³/h	50m	1×1"	2m	<105V	≥1.3*PUMP POWER
DZB3-65-72-750	72V	90V-120V	750W	3m³/h	65m	1×1"	2m	<160V	≥1.3*PUMP POWER

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DZB3-65-72-750-A/D	85V-280V	80V-430V	750W	3m³/h	65m	1×1"	2m	<430V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# DJET/DJET-AD

DC AND AC/DC BRUSHLESS SURFACE  
SOLAR PUMP



DJET



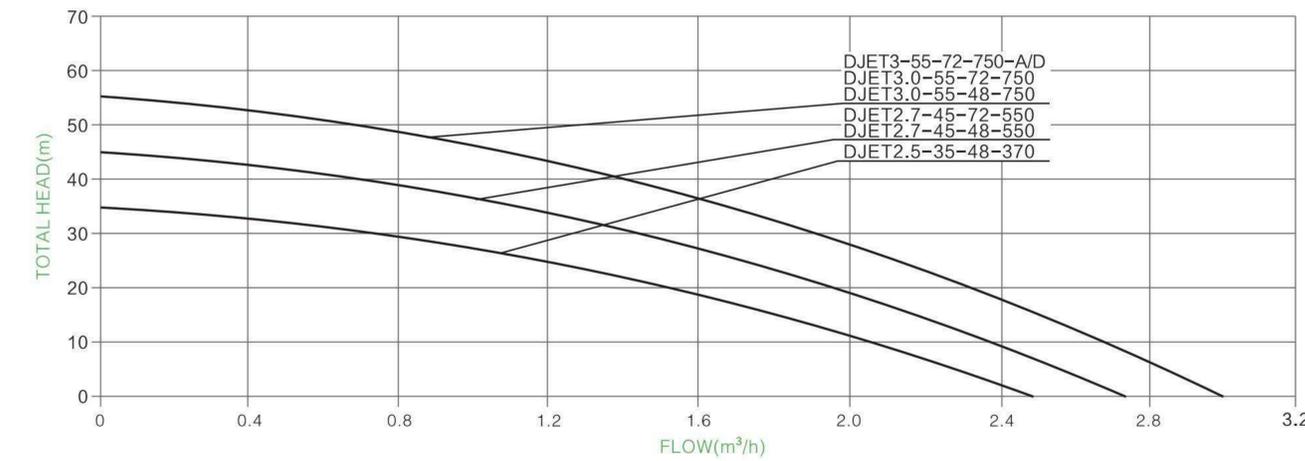
DC controller  
AC/DC auto-switching controller  
(≤2.2KW)

## TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
DJET2.5-35-48-370	48V	60V-90V	370W	2.5m³/h	35m	1"×1"	2m	<105V	≥1.3*PUMP POWER
DJET2.7-45-48-550	48V	60V-90V	550W	2.5m³/h	45m	1"×1"	2m	<105V	≥1.3*PUMP POWER
DJET3.0-55-48-750	48V	60V-90V	750W	3m³/h	55m	1"×1"	2m	<105V	≥1.3*PUMP POWER
DJET3.0-55-72-750	72V	90V-120V	750W	3m³/h	55m	1"×1"	2m	<160V	≥1.3*PUMP POWER

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
DJET3-55-72-750-A/D	85V-280V	80V-430V	750W	3m³/h	55m	1"×1"	2m	<430V	≥1.3*PUMP POWER

## HYDRAULIC PERFORMANCE CURVES



## FREE SPARE PARTS



# DLP/DLP-A/D DLP-HV

DC & AC/DC & WIDE VOLTAGE BRUSHLESS SWIMMING POOL SOLAR PUMP



DC controller

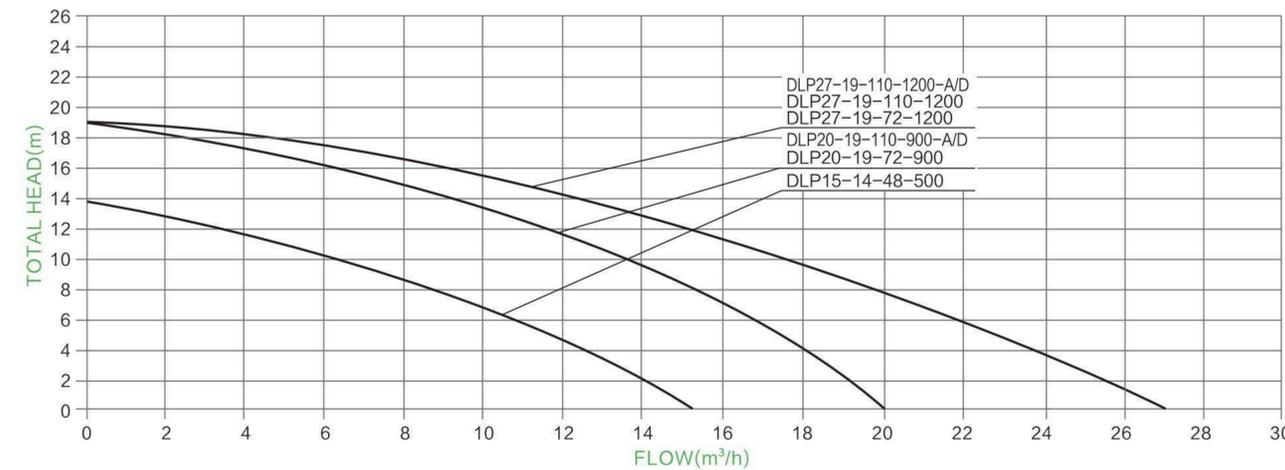
AC/DC auto-switching controller (≤2.2KW)

## TECHNICAL DATA

ITEM	Voltage	Optimum input voltage (DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DLP15-14-48-500	48V	60V-90V	500W	15m³/h	14m	2X2"	2m	<105V	≥1.3*PUMP POWER
DLP20-19-72-900	72V	90V-120V	900W	20m³/h	19m	2X2"	2m	<160V	≥1.3*PUMP POWER
DLP27-19-72-1200	72V	90V-120V	1200W	27m³/h	19m	3X3"	2m	<160V	≥1.3*PUMP POWER
DLP27-19-110-1200	110V	110V-150V	1200W	27m³/h	19m	3X3"	2m	<210V	≥1.3*PUMP POWER

ITEM	(AC) Voltage	(DC) Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								Open circuit voltage(VOC)	Power
DLP20-19-72-900-A/D	85V-280V	80V-430V	900W	20m³/h	19m	2X2"	2m	<430V	≥1.3*PUMP POWER
DLP27-19-72-1200-A/D	85V-280V	80V-430V	1200W	27m³/h	19m	3X3"	2m	<430V	≥1.3*PUMP POWER

## PERFORMANCE CURVES



## FREE SPARE PARTS



# DQDX/DODX-A/D

DC and AC/DC submersible solar pump



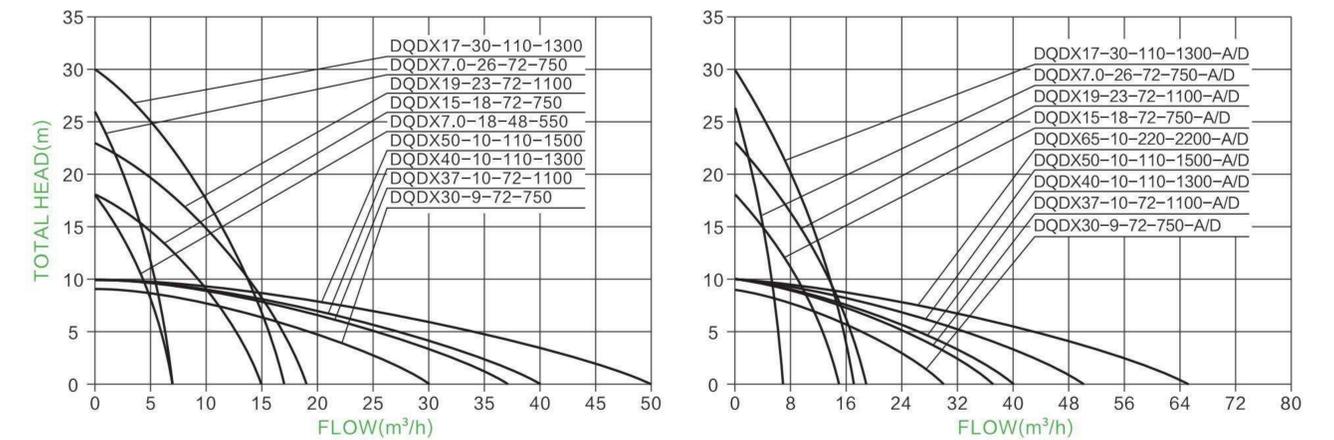
DC controller

AC/DC auto-switching controller (≤2.2KW)

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
DQDX7.0-18-48-550	48V	60V-90V	550W	7.0m³/h	18m	1"	5m	<105V	≥1.3*PUMP POWER
DQDX7.0-26-72-750	72V	90V-120V	750W	7.0m³/h	26m	1"	5m	<160V	≥1.3*PUMP POWER
DQDX15-18-72-750	72V	90V-120V	750W	15m³/h	18m	2"	5m	<160V	≥1.3*PUMP POWER
DQDX17-30-110-1300	110V	110V-150V	1300W	17m³/h	30m	2"	5m	<210V	≥1.3*PUMP POWER
DQDX19-23-72-1100	72V	90V-120V	1100W	19m³/h	23m	2"	5m	<160V	≥1.3*PUMP POWER
DQDX30-9-72-750	72V	90V-120V	750W	30m³/h	9m	3"	5m	<160V	≥1.3*PUMP POWER
DQDX37-10-72-1100	72V	90V-120V	1100W	37m³/h	10m	3"	5m	<160V	≥1.3*PUMP POWER
DQDX40-10-110-1300	110V	110V-150V	1300W	40m³/h	10m	3"	5m	<210V	≥1.3*PUMP POWER
DQDX50-10-110-1500	110V	110V-150V	1500W	50m³/h	10m	3"	5m	<210V	≥1.3*PUMP POWER

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
DQDX7.0-26-72-750-A/D	85V-280V	80V-430V	750W	7.0m³/h	26m	1"	5m	<430V	≥1.3*PUMP POWER
DQDX15-18-72-750-A/D	85V-280V	80V-430V	750W	15m³/h	18m	2"	5m	<430V	≥1.3*PUMP POWER
DQDX17-30-110-1300-A/D	85V-280V	80V-430V	1300W	17m³/h	30m	2"	5m	<430V	≥1.3*PUMP POWER
DQDX19-23-72-1100-A/D	85V-280V	80V-430V	1100W	19m³/h	23m	2"	5m	<430V	≥1.3*PUMP POWER
DQDX30-9-72-750-A/D	85V-280V	80V-430V	750W	30m³/h	9m	3"	5m	<430V	≥1.3*PUMP POWER
DQDX37-10-72-1100-A/D	85V-280V	80V-430V	1100W	37m³/h	10m	3"	5m	<430V	≥1.3*PUMP POWER
DQDX40-10-110-1300-A/D	85V-280V	80V-430V	1300W	40m³/h	10m	3"	5m	<430V	≥1.3*PUMP POWER
DQDX50-10-110-1500-A/D	85V-280V	80V-430V	1500W	50m³/h	10m	3"	5m	<430V	≥1.3*PUMP POWER
DQDX65-10-300-2200-A/D	85V-280V	80V-430V	2200W	65m³/h	10m	3"	5m	<430V	≥1.3*PUMP POWER

## PERFORMANCE CURVES



## FREE SPARE PARTS



# SOLAR AERATOR

BRUSHLESS SOLAR PUMP



Solar Aerator



Solar air oxygenator



DC controller

AC/DC auto-switching controller (≤2.2KW)



Solar Paddle Wheel Aerator



Solar Impeller Aerator

## SOLAR AERATOR

ITEM	Voltage	Best input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Solar panel	
							Open circuit voltage(VOC)	Power
DSA15-4.5-48-370	48V	60V-90V	370W	15m³/h	4.5m	3"	<105V	≥1.3*PUMP POWER
DSA25-5-48-750	48V	60V-90V	750W	27m³/h	5m	3"	<105V	≥1.3*PUMP POWER
DSA30-7-72-1100	72V	90V-120V	1100W	30m³/h	7m	3"	<160V	≥1.3*PUMP POWER
DSA40-6-110-1500	110V	110V-150V	1500W	40m³/h	6m	3"	<210V	≥1.3*PUMP POWER
DSA55-5-300-2200-A/D	AC220/DC300V	300V-400V	2200W	60m³/h	5m	4"	<430V	≥1.3*PUMP POWER

## SOLAR AIR OXYGENATOR

ITEM	Voltage	Best input voltage(DC)	Power	Oxygenation rate(kg/h)	Covering Area(m²)	Solar panel	
						Open circuit voltage(VOC)	Power
DSAO-48-750	48V	60V-90V	370W	≥1.1	666-2000	<105V	≥1.3*PUMP POWER
DSAO-110-1500	110V	110V-150V	1500W	≥2.3	2000-4000	<210V	≥1.3*PUMP POWER
DSAO-300-2200	AC220/DC300V	300V-400V	2200W	≥3.4	2665-5328	<430V	≥1.3*PUMP POWER

## SOLAR PADDLE WHEEL AERATOR

ITEM	Voltage	Best input voltage(DC)	Power	Oxygenation rate(kg/h)	Covering Area(m²)	Impeller quantity	Solar panel	
							Open circuit voltage(VOC)	Power
DSWA2-48-750	48V	60V-90V	750W	>1.1	666-3330	2	<105V	≥1.3*PUMP POWER
DSWA4-110-1500	110V	110V-150V	1500W	>1.9	2000-6660	4	<210V	≥1.3*PUMP POWER
DSWA6-300-2200-A/D	AC220/DC300V	300V-400V	2200W	>2.0	2665-8000	6	<430V	≥1.3*PUMP POWER

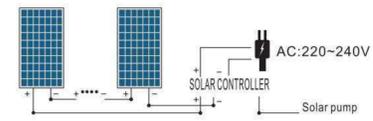
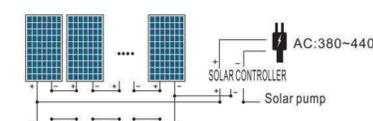
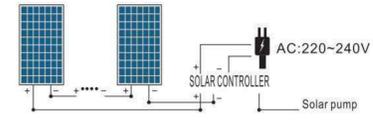
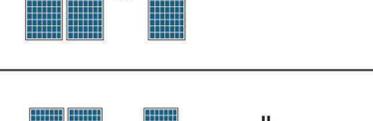
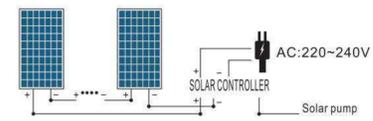
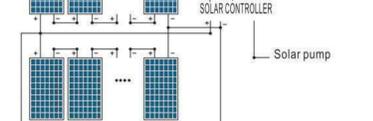
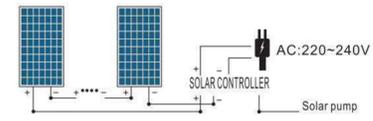
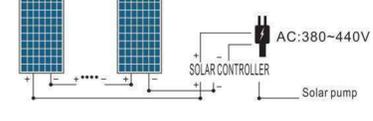
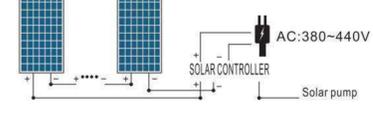
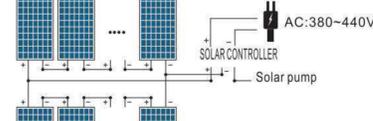
## SOLAR IMPELLER AERATOR

ITEM	Voltage	Best input voltage(DC)	Power	Oxygenation rate(kg/h)	Covering Area(m²)	Solar panel	
						Open circuit voltage(VOC)	Power
DSIA-48-750	48V	60V-90V	750W	≥1.1	666-2000	<105V	≥1.3*PUMP POWER
DSIA-72-1100	72V	90V-120V	1100W	≥1.6	2000-2665	<160V	≥1.3*PUMP POWER
DSIA-110-1500	110V	110V-150V	1500W	≥2.3	2000-4000	<210V	≥1.3*PUMP POWER
DSIA-300-2200-A/D	AC220/DC300V	300V-400V	2200W	≥3.4	2665-5328	<430V	≥1.3*PUMP POWER

## Solar panel recommendation for 12V-110V DC solar pump

PUMP POWER 80W-12V Voc: 18V-55V	(1) (2) (3) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:150W*1PCS Solar panel:270W*1PCS Solar panel:330W*1PCS	PUMP POWER 750W-48V Voc: 30V-105V	(19) (20) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*4PCS Solar panel:330W*4PCS
PUMP POWER 120W-24V 180W-24V 200W-24V 210W-24V 210W-36V Voc: 18V-55V	(4) (5) (6) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:150W*2PCS Solar panel:270W*1PCS Solar panel:330W*1PCS	PUMP POWER 750W-72V Voc: 55V-160V	(21) (22) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 280W-24V 300W-24V Voc: 18V-55V	(7) (8) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*2PCS Solar panel:330W*1PCS	PUMP POWER 900W-72V Voc: 55V-160V	(23) (24) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*4PCS Solar panel:330W*3PCS
PUMP POWER 400W-36V Voc: 18V-55V	(9) (10) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*2PCS Solar panel:330W*2PCS	PUMP POWER 1100W-72V Voc: 55V-160V	(25) (26) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 370W-48V 400W-48V Voc: 30V-105V	(11) (12) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*2PCS Solar panel:330W*2PCS	PUMP POWER 1100W-110V Voc: 60V-210V	(27) (28) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*6PCS Solar panel:330W*6PCS
PUMP POWER 500W-48V 550W-48V Voc: 30V-105V	(13) (14) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*4PCS Solar panel:330W*2PCS	PUMP POWER 1300W-110V Voc: 60V-210V	(29) (30) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*8PCS Solar panel:330W*6PCS
PUMP POWER 600W-48V Voc: 30V-105V	(15) (16) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*4PCS Solar panel:330W*4PCS	PUMP POWER 1500W-110V Voc: 60V-210V	(31) (32) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*8PCS Solar panel:330W*8PCS
PUMP POWER 600W-72V Voc: 55V-160V	(17) (18) SOLAR CONTROLLER Solar pump SOLAR CONTROLLER Solar pump	Solar panel:270W*3PCS Solar panel:330W*3PCS			

# Solar panel recommendation for 220V-380V AC/DC & HV solar pump

<p>PUMP POWER 750W-220V AC:85V-280V DC:80V-430V</p>		<p>AC:220-240V Solar panel:270W*3-7PCS Solar panel:330W*4-6PCS</p>	<p>PUMP POWER 7500W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>  <p>Solar panel:270W*36PCS Solar panel:330W*30PCS</p>
<p>PUMP POWER 1100W-220V 1200W-220V AC:85V-280V DC:80V-430V</p>		<p>AC:220-240V Solar panel:270W* 6-8PCS Solar panel:330W*5-7PCS</p>	<p>PUMP POWER 9200W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>  <p>Solar panel:270W*45PCS Solar panel:330W*36PCS</p>
<p>PUMP POWER 1300W-220V 1500W-220V AC:85V-280V DC:80V-430V</p>		<p>AC:220-240V Solar panel:270W*8-9PCS Solar panel:330W*6-8PCS</p>	<p>PUMP POWER 11000W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>  <p>Solar panel:270W*54PCS Solar panel:330W*42PCS</p>
<p>PUMP POWER 2200W-220V AC:85V-280V DC:80V-430V</p>		<p>AC:220-240V Solar panel:270W*10PCS Solar panel:330W*8-9PCS</p>	<p>PUMP POWER 15000W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>  <p>Solar panel:270W*76PCS Solar panel:330W*60PCS</p>
<p>PUMP POWER 3000W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>		<p>AC:380-440V Solar panel:270W*15PCS Solar panel:330W*12PCS</p>	
<p>PUMP POWER 4000W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>		<p>AC:380-440V Solar panel:270W*19PCS Solar panel:330W*15PCS</p>	
<p>PUMP POWER 5500W-380V AC Vol . 380V-440V Dc vol. 480V-780V</p>		<p>AC:380-440V Solar panel:270W*26PCS Solar panel:330W*22PCS</p>	