



# ADHY AC/DC SWITCHING SOLAR PUMP

# 2026

PRODUCT CATALOG

CE © ISO9001





# COMPANY PROFILE

Zhejiang Rambo Intelligent Technology Co., Ltd.(ZRI Co.,ltd) Is the leading manufacturer and exporter of water pumps in China, located in Daxi Industrial Zone, Wenling, Zhejiang province.

With over 20 years experience and efforts, our products has diversified into wide range of selections to meet customers' Needs which include Solar pumps, Submersible pumps, Deep well pumps, and Land domestic pumps, etc. While our latest Energy-saving products---Solar pumps have developed rapidly and got a great success during recent years. After several years' Development, ZRI' S network has been spread to about 80 countries and regions around the world. We have become the long-term supplier of world-class retailer

Besides the IATF quality control system, ZRI has a group of professional technical engineers and a strong R&D team. Our engineers are able to provide expert technical support with the most efficient and cost effective solutions. The R&D team satisfies customers with specialized design and develops new products according to market demand.

ZRI has good cooperative relationships with some noted universities and institutes, and also famous manufacturers in Europe. It greatly strengthens ZRI' S R&D ability.

To do the best pump from China is ZRI' S purpose



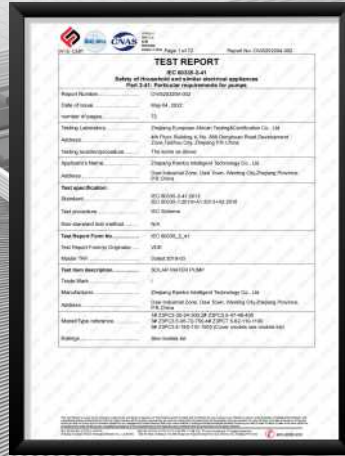
ISO 9001-2015



CE



IEC 60335-2-41



BV Certificate



*BELIEVE IN THE POWER OF BRAND*





# APPLICATION FOR SOLAR PUMPING SYSTEM



Irrigation



Stock farming



Fountain



Drinking water



Ecological  
management

SOLAR  
**ZRI**



## 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

# ZSCO -ADHY AC/DC

## SWITCHING MPPT CONTROLLER SOLAR PUMP SERIES

[www.zripump.com](http://www.zripump.com)



Large Flow  
Gao Yangcheng



All-copper motor coil



Low noise



High efficiency  
and energy saving



Super durability



# ZSCO - ADHY AC/DC

SWITCHING MPPT CONTROLLER



# Z3PC-A/DHY

## AC/DC Hybrid Solar 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

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

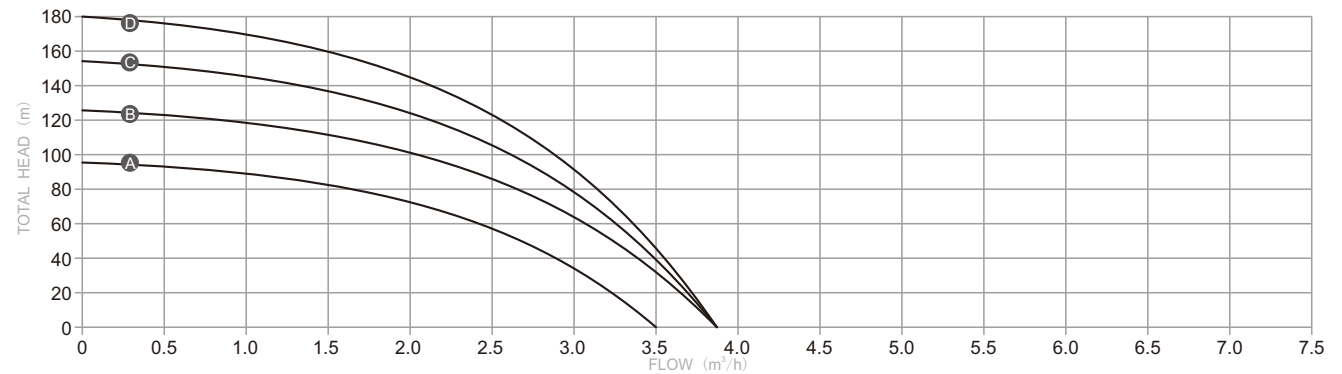


### FREE SPARE PARTS



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	Z3PC3.5-95-110-750-A/D	80-280V AC	80-400V DC	750W	3.5m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC3.8-123-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC3.8-155-150-1300-A/D	80-280V AC	80-400V DC	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC3.8-180-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥1.3*PUMP POWER

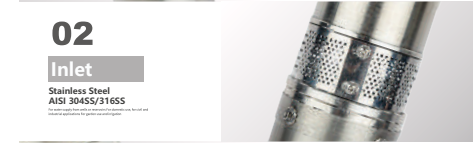


# Z3PC-A/DHY

## AC/DC Hybrid Solar 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

- Running Speed Control
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- MPPT
- Dry Running Protection
- Soft Starting Protection
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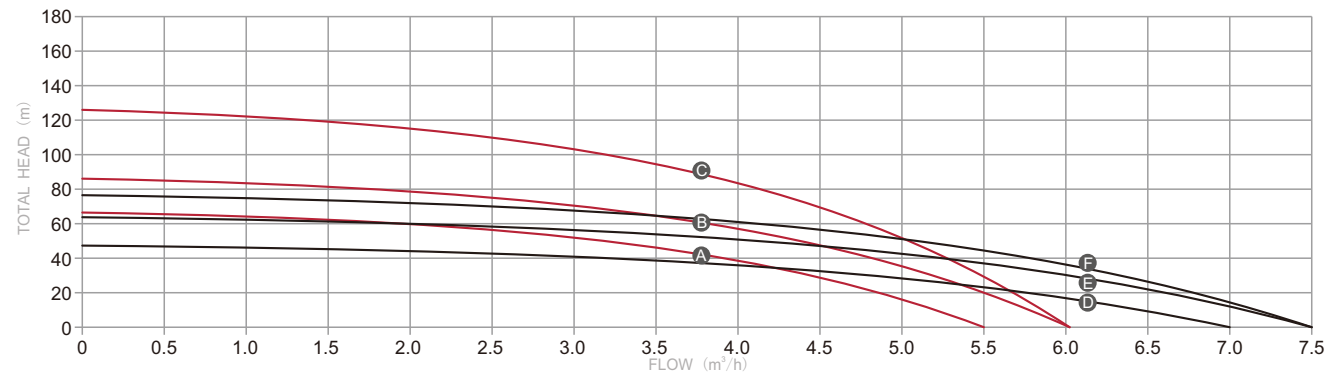


### FREE SPARE PARTS



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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	Z3PC5.5-65-110-750-A/D	80-280V AC	80-400V DC	750W	5.5m³/h	65m	1.5"	2m	<420V	≥1.3*PUMP POWER
B	Z3PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.5"	2m	<420V	≥1.3*PUMP POWER
C	Z3PC6-125-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	125m	1.5"	2m	<420V	≥1.3*PUMP POWER
D	Z3PC7-46-110-750-A/D	80-280V AC	80-400V DC	750W	7m³/h	46m	1.5"	2m	<420V	≥1.3*PUMP POWER
E	Z3PC7.5-62-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	62m	1.5"	2m	<420V	≥1.3*PUMP POWER
F	Z3PC7.5-78-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	78m	1.5"	2m	<420V	≥1.3*PUMP POWER

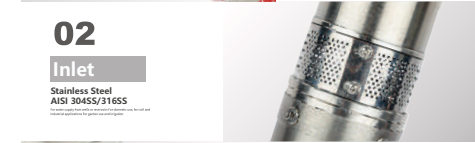


# Z4PC-A/DHY

## AC/DC Hybrid Solar 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

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

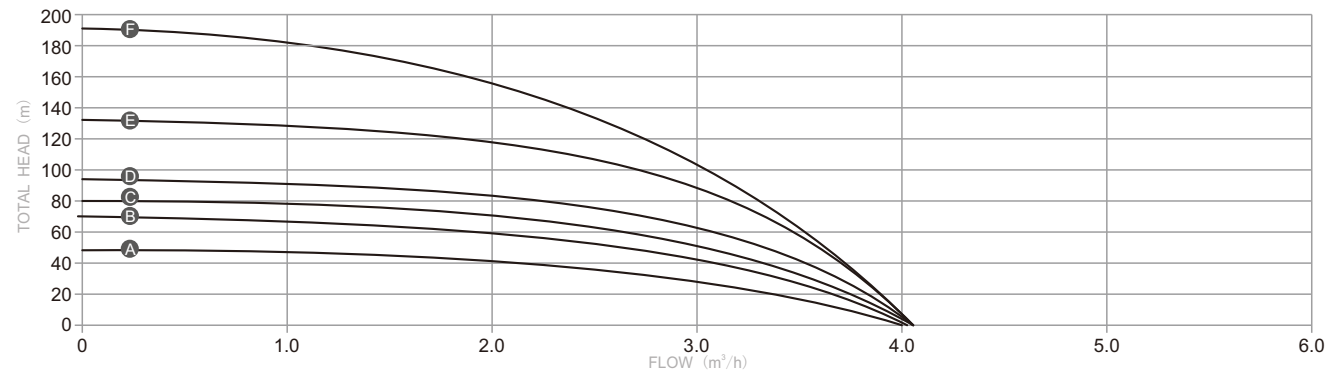


### FREE SPARE PARTS



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	Z4PC4-50-72-600-A/D	80-280V AC	80-400V DC	600W	4m³/h	50m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC4-70-96-750-A/D	80-280V AC	80-400V DC	750W	4m³/h	70m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC4-80-120-900-A/D	80-280V AC	80-400V DC	900W	4m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC4-95-150-1100-A/D	80-280V AC	80-400V DC	1100W	4m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC4-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC4-190-300-2200-A/D	80-280V AC	80-400V DC	2200W	4m³/h	190m	1.25"	2m	<420V	≥1.3*PUMP POWER

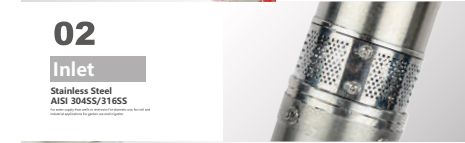


# Z4PC-A/DHY

## AC/DC Hybrid Solar 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

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

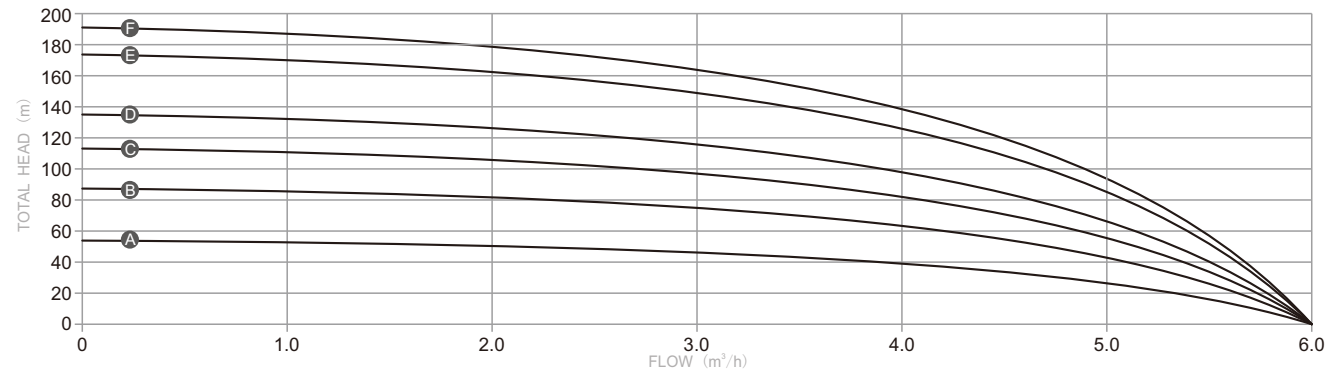


### FREE SPARE PARTS



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	Z4PC6-56-110-750-A/D	80-280V AC	80-400V DC	750W	6m³/h	56m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC6-84-150-1100-A/D	80-280V AC	80-400V DC	1100W	6m³/h	84m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC6-112-150-1300-A/D	80-280V AC	80-400V DC	1300W	6m³/h	112m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC6-135-200-1500-A/D	80-280V AC	80-400V DC	1500W	6m³/h	135m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC6-175-300-2200-A/D	80-280V AC	80-400V DC	2200W	6m³/h	175m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC6-192-300-2500-A/D	80-280V AC	80-400V DC	2500W	6m³/h	192m	1.25"	2m	<420V	≥1.3*PUMP POWER

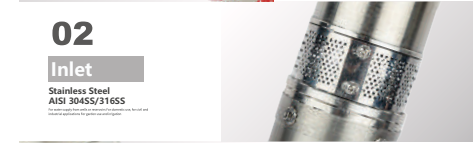


# Z4PC-A/DHY

## AC/DC Hybrid Solar 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

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

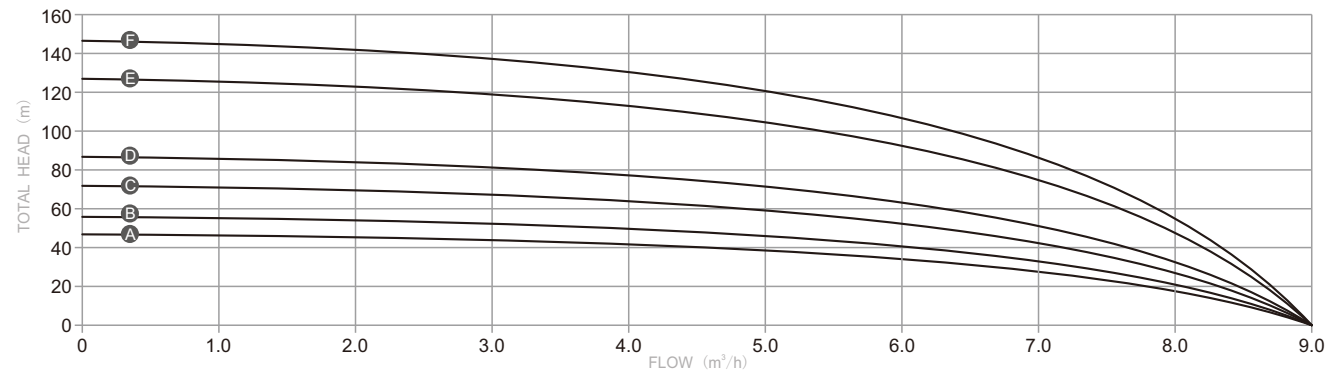


### FREE SPARE PARTS



Maintenance-Free Brushless DC Motor  
 Integrated DSP & MPPT(Maximum Power Point remote control etc.)  
 Suitable for Wide DC voltage Operation  
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 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	Z4PC9-45-110-750-A/D	80-280V AC	80-400V DC	750W	9m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC9-58-150-1100-A/D	80-280V AC	80-400V DC	1100W	9m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC9-71-150-1300-A/D	80-280V AC	80-400V DC	1300W	9m³/h	71m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC9-85-200-1500-A/D	80-280V AC	80-400V DC	1500W	9m³/h	85m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC9-125-300-2200-A/D	80-280V AC	80-400V DC	2200W	9m³/h	125m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC9-148-300-2500-A/D	80-280V AC	80-400V DC	2500W	9m³/h	148m	2"	2m	<420V	≥1.3*PUMP POWER



# Z4PC-A/DHY

## AC/DC Hybrid Solar 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

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

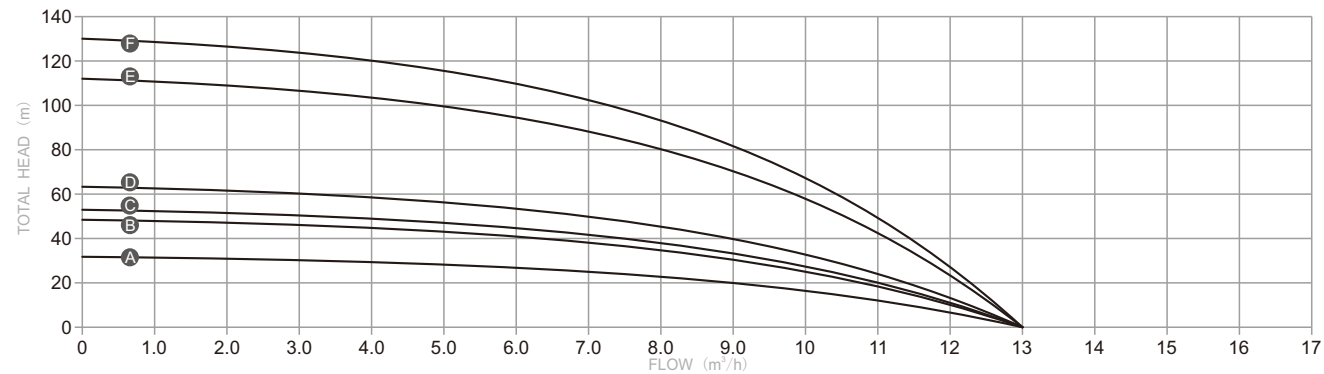


### FREE SPARE PARTS



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	Z4PC13-42-110-750-A/D	80-280V AC	80-400V DC	750W	13m³/h	42m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC13-50-150-1100-A/D	80-280V AC	80-400V DC	1100W	13m³/h	50m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC13-58-150-1300-A/D	80-280V AC	80-400V DC	1300W	13m³/h	58m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC13-63-200-1500-A/D	80-280V AC	80-400V DC	1500W	13m³/h	63m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC13-110-300-2200-A/D	80-280V AC	80-400V DC	2200W	13m³/h	110m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC13-130-300-2500-A/D	80-280V AC	80-400V DC	2500W	13m³/h	130m	2"	2m	<420V	≥1.3*PUMP POWER

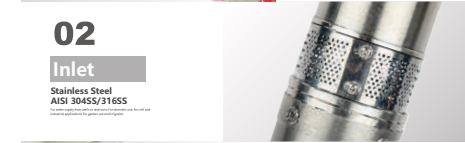


# Z4PC-A/DHY

## AC/DC Hybrid Solar 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

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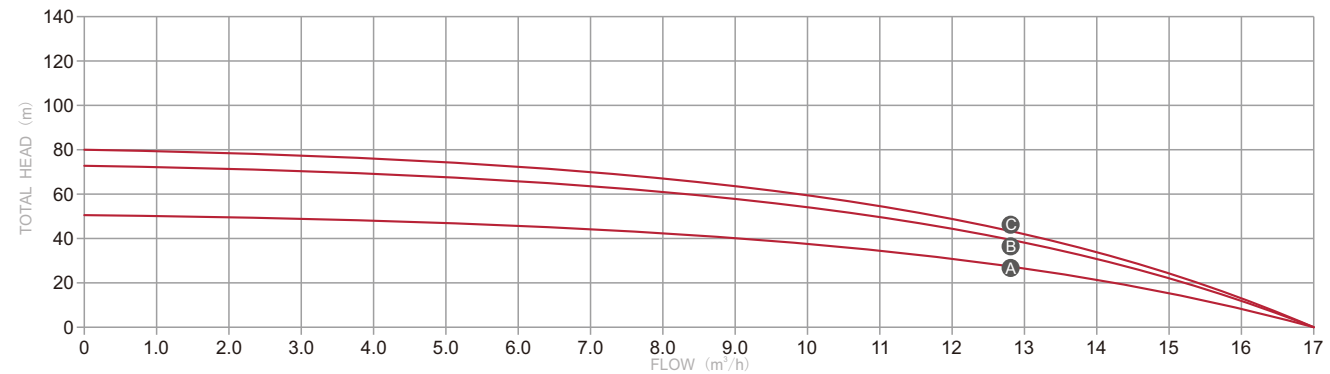


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No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4PC17-48-200-1500-A/D	80-280V AC	80-400V DC	1500W	17m³/h	48m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4PC17-72-300-2200-A/D	80-280V AC	80-400V DC	2200W	17m³/h	72m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4PC17-80-300-2500-A/D	80-280V AC	80-400V DC	2500W	17m³/h	80m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4PC20-45-200-1500-A/D	80-280V AC	80-400V DC	1500W	20m³/h	45m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4PC22-70-300-2200-A/D	80-280V AC	80-400V DC	2200W	22m³/h	70m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4PC30-60-300-2500-A/D	80-280V AC	80-400V DC	2500W	30m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER



# Z3SC-A/DHY

## AC/DC Hybrid Solar 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

- Running Speed Control
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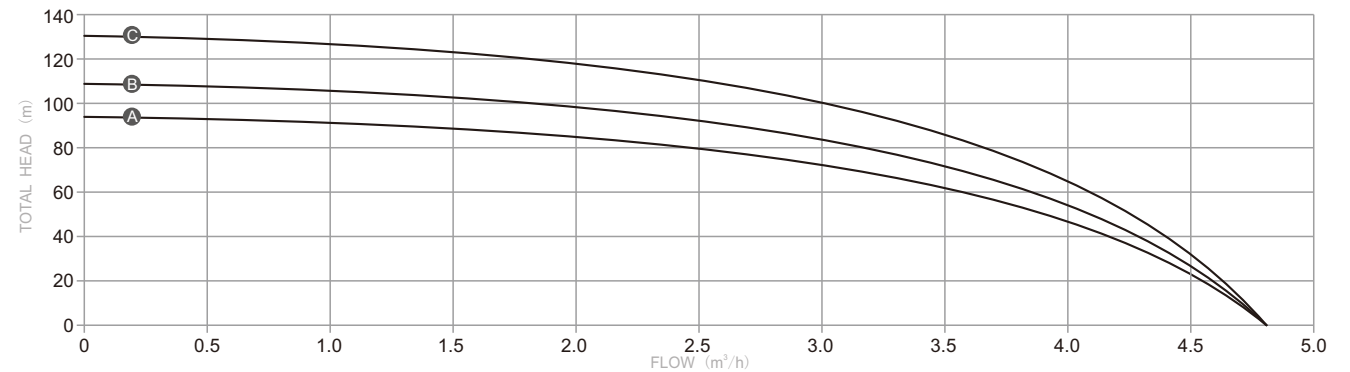


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### PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z3SC4.8-95-110-750-A/D	80-280V AC	80-400V DC	750W	4.8m³/h	95m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z3SC4.8-110-150-1100-A/D	80-280V AC	80-400V DC	1100W	4.8m³/h	110m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z3SC4.8-130-200-1500-A/D	80-280V AC	80-400V DC	1500W	4.8m³/h	130m	1.25"	2m	<420V	≥1.3*PUMP POWER



# Z4SC-A/DHY

## AC/DC Hybrid Solar 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

- Running Speed Control
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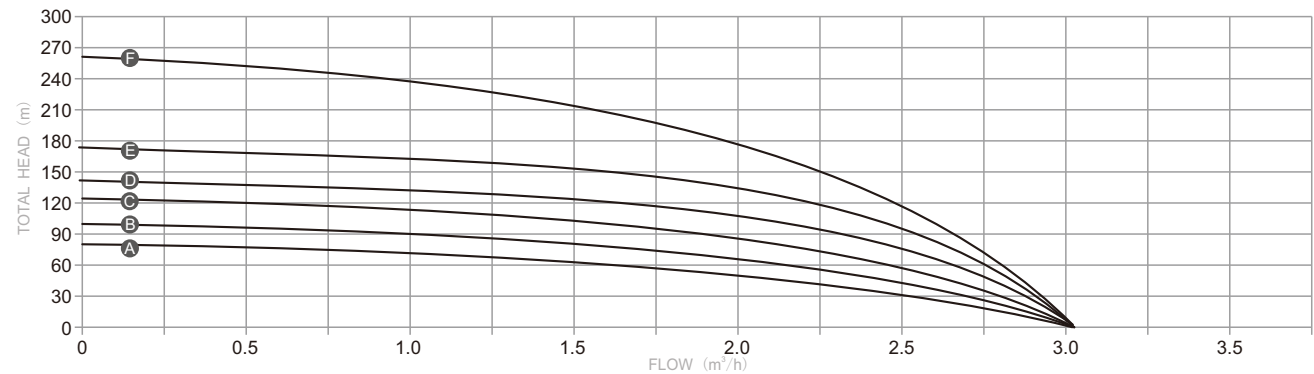


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### PERFORMANCE CURVES AND DATA



No.	ITEM	Voltage	Optimum input voltage(DC)	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
									Open circuit voltage (VOC)	Power
A	Z4SC3.0-80-110-750-A/D	80-280V AC	80-400V DC	750W	3.0m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC3.0-100-150-1100-A/D	80-280V AC	80-400V DC	1100W	3.0m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC3.0-125-200-1300-A/D	80-280V AC	80-400V DC	1300W	3.0m³/h	125m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC3.0-140-200-1500-A/D	80-280V AC	80-400V DC	1500W	3.0m³/h	140m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC3.0-170-300-2200-A/D	80-280V AC	80-400V DC	2200W	3.0m³/h	170m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC3.0-260-300-2500-A/D	80-280V AC	80-400V DC	2500W	3.0m³/h	260m	1.25"	2m	<420V	≥1.3*PUMP POWER



# Z4SC-A/DHY

## AC/DC Hybrid Solar 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

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

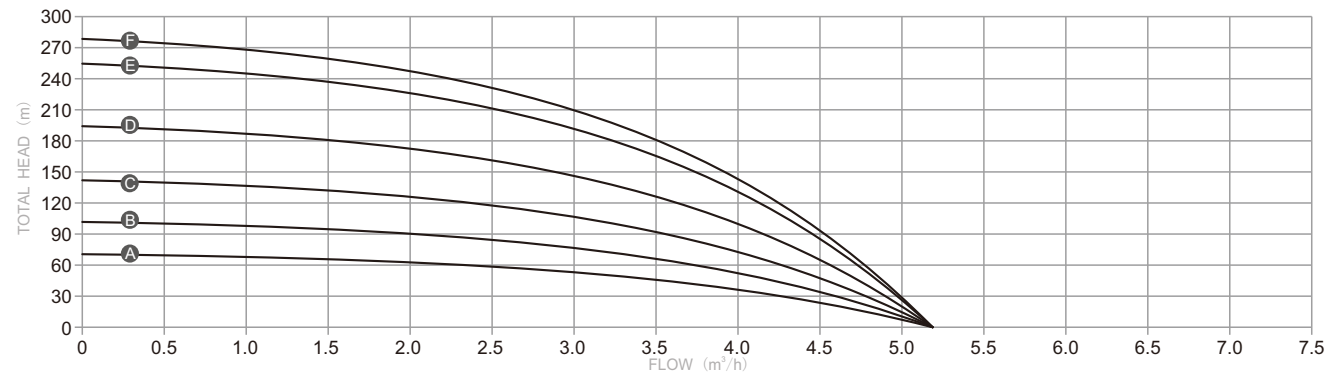


### FREE SPARE PARTS



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	Z4SC5.2-67-110-750-A/D	80-280V AC	80-400V DC	750W	5.2m³/h	67m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC5.2-101-150-1100-A/D	80-280V AC	80-400V DC	1100W	5.2m³/h	101m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC5.2-146-200-1300-A/D	80-280V AC	80-400V DC	1300W	5.2m³/h	146m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC5.2-198-200-1500-A/D	80-280V AC	80-400V DC	1500W	5.2m³/h	198m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC5.2-255-300-2200-A/D	80-280V AC	80-400V DC	2200W	5.2m³/h	255m	1.25"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC5.2-275-300-2500-A/D	80-280V AC	80-400V DC	2500W	5.2m³/h	275m	1.25"	2m	<420V	≥1.3*PUMP POWER



# Z4SC-A/DHY

## AC/DC Hybrid Solar 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

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

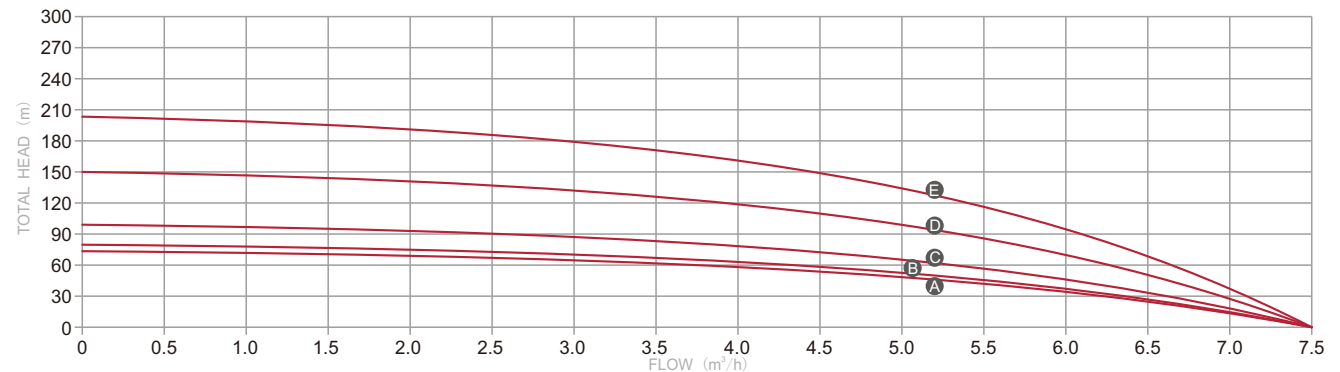


### FREE SPARE PARTS



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	Z4SC7.5-68-150-1100-A/D	80-280V AC	80-400V DC	1100W	7.5m³/h	68m	1.25"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC7.5-80-150-1300-A/D	80-280V AC	80-400V DC	1300W	7.5m³/h	80m	1.25"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC7.5-100-200-1500-A/D	80-280V AC	80-400V DC	1500W	7.5m³/h	100m	1.25"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC7.5-150-300-2200-A/D	80-280V AC	80-400V DC	2200W	7.5m³/h	150m	1.25"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC7.5-205-300-2500-A/D	80-280V AC	80-400V DC	2500W	7.5m³/h	205m	1.25"	2m	<420V	≥1.3*PUMP POWER



# Z4SC-A/DHY

## AC/DC Hybrid Solar 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

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

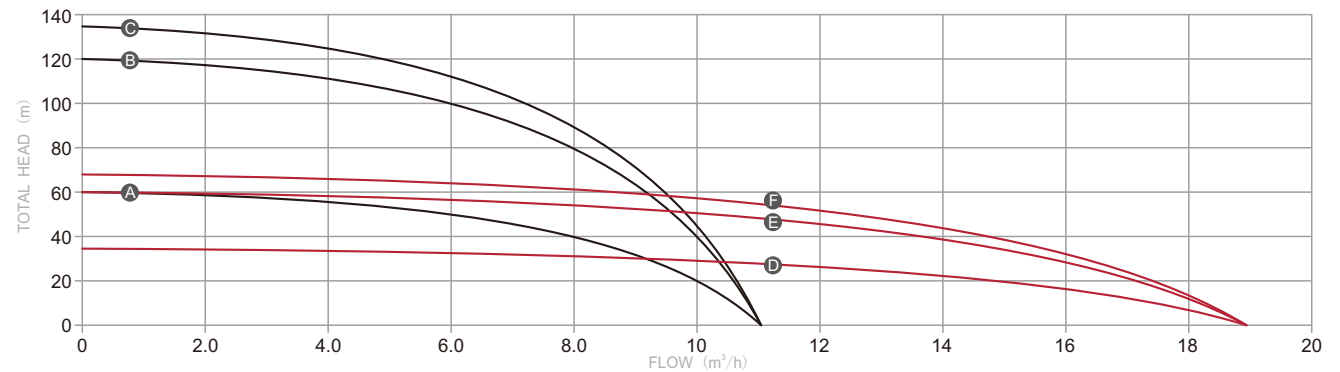


### FREE SPARE PARTS



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	Z4SC11-60-200-1500-A/D	80-280V AC	80-400V DC	1500W	11m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
B	Z4SC11-120-300-2200-A/D	80-280V AC	80-400V DC	2200W	11m³/h	120m	2"	2m	<420V	≥1.3*PUMP POWER
C	Z4SC11-136-300-2500-A/D	80-280V AC	80-400V DC	2500W	11m³/h	136m	2"	2m	<420V	≥1.3*PUMP POWER
D	Z4SC19-35-200-1500-A/D	80-280V AC	80-400V DC	1500W	19m³/h	35m	2"	2m	<420V	≥1.3*PUMP POWER
E	Z4SC19-60-300-2200-A/D	80-280V AC	80-400V DC	2200W	19m³/h	60m	2"	2m	<420V	≥1.3*PUMP POWER
F	Z4SC19-68-300-2500-A/D	80-280V AC	80-400V DC	2500W	19m³/h	68m	2"	2m	<420V	≥1.3*PUMP POWER

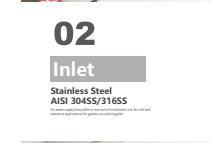


# Z4/6SC-A/DHY

## AC/DC Hybrid Solar 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

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

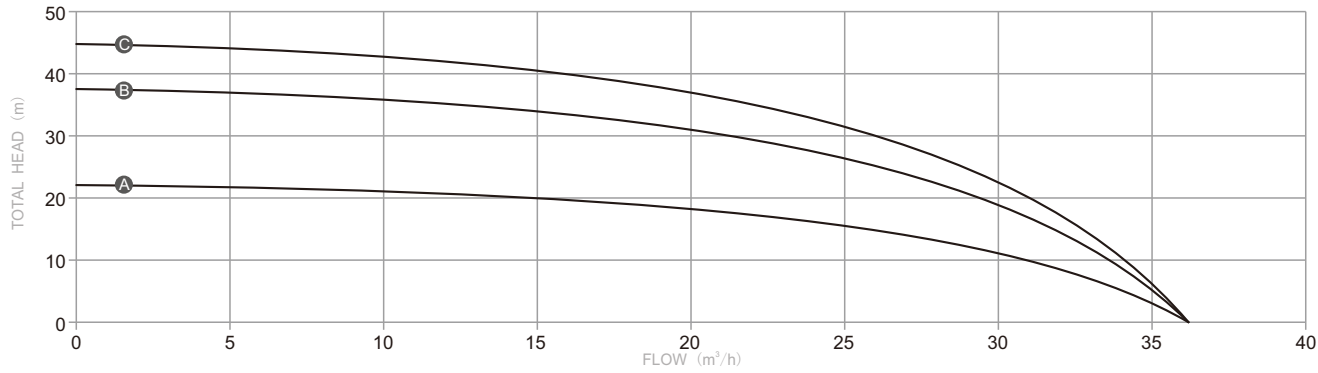


### FREE SPARE PARTS



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	Z4/6SC36-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	36m³/h	22m	3"	2m	<420V	≥1.3*PUMP POWER
B	Z4/6SC36-38-300-2200-A/D	80-280V AC	80-400V DC	2200W	36m³/h	38m	3"	2m	<420V	≥1.3*PUMP POWER
C	Z4/6SC36-45-300-2500-A/D	80-280V AC	80-400V DC	2500W	36m³/h	45m	3"	2m	<420V	≥1.3*PUMP POWER



# ZSHF-A/DHY

## AC/DC Hybrid Solar Pump Series



### ADVANCED TECHNOLOGY

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

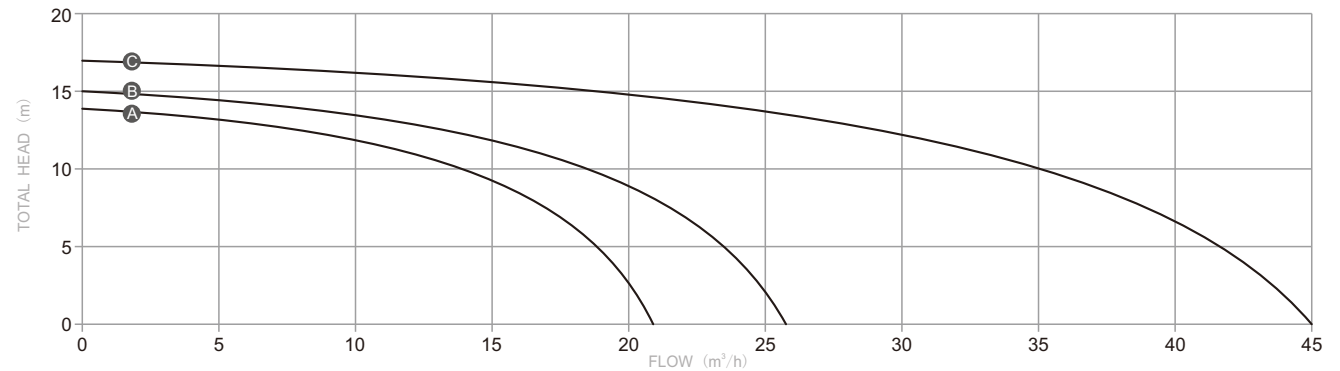


### FREE SPARE PARTS



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	ZSHF21-14-110-750-A/D	80-280V AC	80-400V DC	750W	21m³/h	14m	2×2"	1m	<420V	≥1.3*PUMP POWER
B	ZSHF26-15-150-1100-A/D	80-280V AC	80-400V DC	1100W	26m³/h	15m	2×2"	1m	<420V	≥1.3*PUMP POWER
C	ZSHF45-17-200-1500-A/D	80-280V AC	80-400V DC	1500W	45m³/h	17m	3×3"	1m	<420V	≥1.3*PUMP POWER
D	ZSHF60-16-300-2200-A/D	80-280V AC	80-400V DC	2200W	60m³/h	16m	4×4"	1m	<420V	≥1.3*PUMP POWER



# **SURFACE PUMP WITH FRAME**



# ZSSP-A/DHY

## AC/DC Hybrid Solar Pump Series



### ADVANCED TECHNOLOGY

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

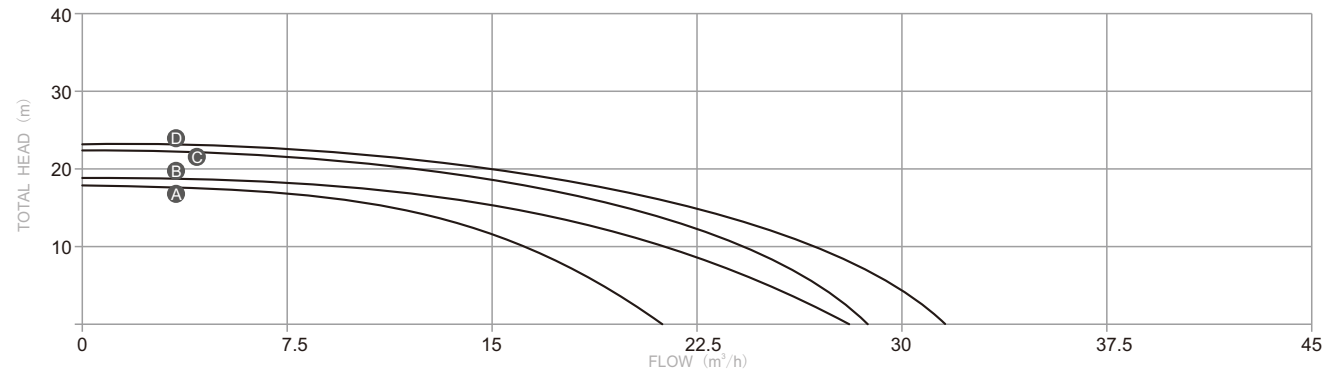


### FREE SPARE PARTS



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	ZSSP20-19-110-900-A/D	80-280V AC	80-400V DC	900W	20m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
B	ZSSP27-19-150-1200-A/D	80-280V AC	80-400V DC	1200W	27m³/h	19m	2×2"	2m	<420V	≥1.3*PUMP POWER
C	ZSSP28-22-200-1500-A/D	80-280V AC	80-400V DC	1500W	28m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER
D	ZSSP35-22-300-2200-A/D	80-280V AC	80-400V DC	2200W	35m³/h	22m	3×3"	2m	<420V	≥1.3*PUMP POWER



**ZHEJIANG RAMBO INTELLIGENT TECHNOLOGY CO., LTD**

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