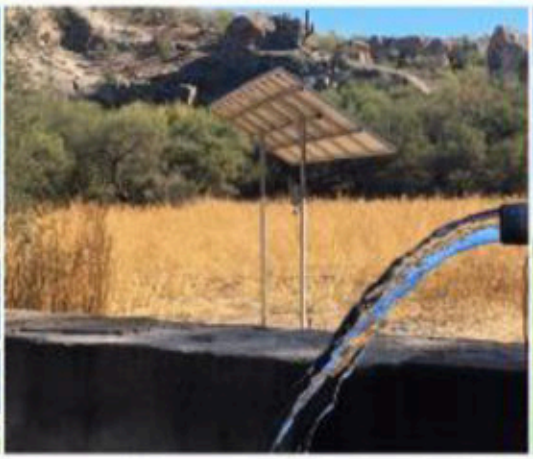
SUNMASTER

# SOLAR PV MOUDULE
# SOLAR WATER PUMP

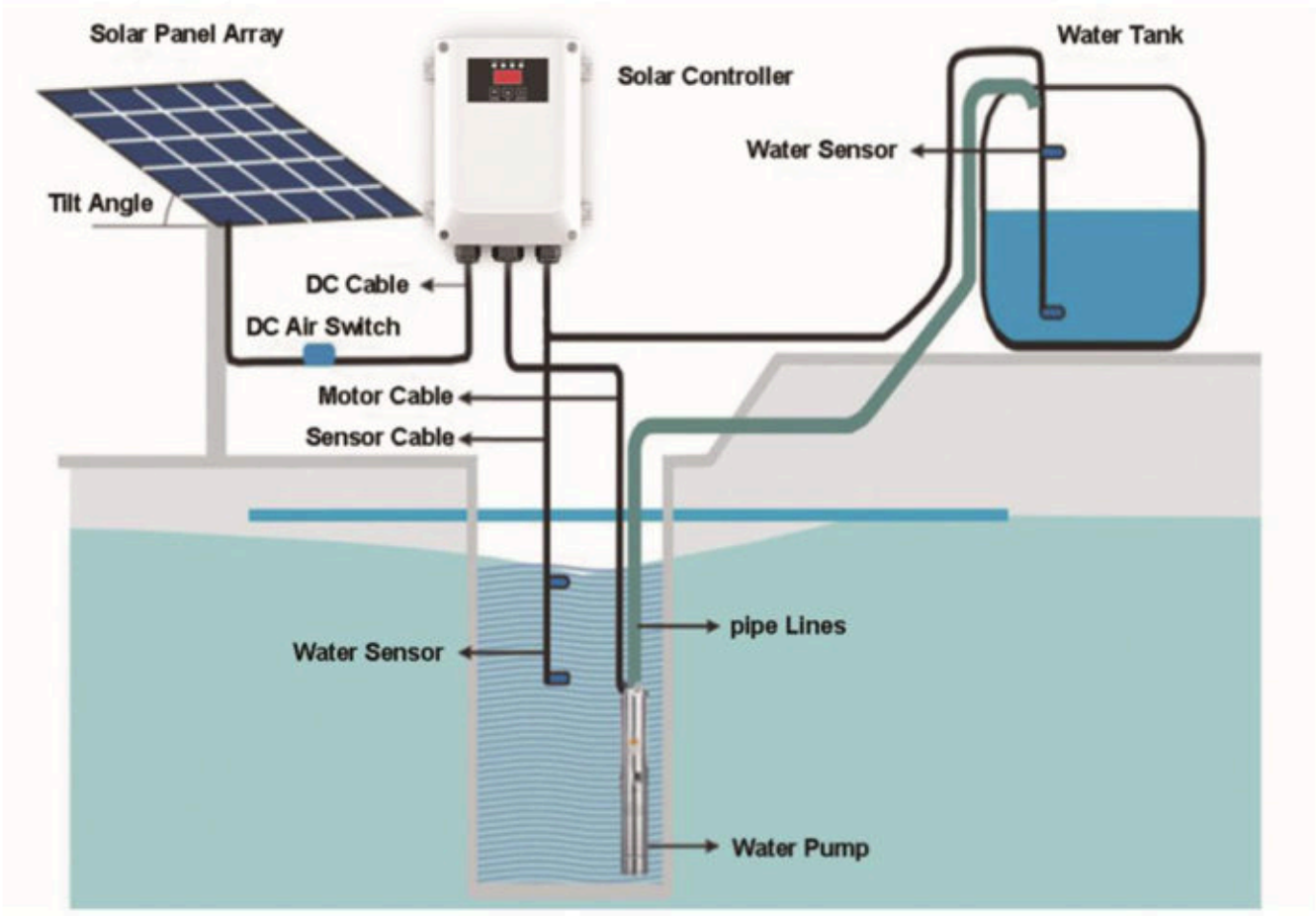

SunMaster Solar Co., Ltd

# Solar Water Pump




**►Products feature/产品特性:**

- ●DC brushless motor solar pump
  直流无刷电机太阳能水泵
- ●Stainless steel pump body (304/316)
  不锈钢 304/316 材质
- ●100% Copper wire
  100%纯铜电机
- ●Oil cooling（Food grade oil）
  食品级油冷
- ●MPPT controller with LCD Digital display
  数显 MPPT 太阳能水泵控制器
- ●Protection function: Low-voltage,
  Over-voltage, over-current, dry-protection;
  Reverse connection protection;
  控制器功能: 低压保护,高压保护，过流保护
  缺水停机保护，反接保护
- ●Warranty: 2 years
  质保: 2 年
- ●Pump head & Flow rate: 10--500M,:1.0--150$m^3$/h
  工作扬程/流量:: 10--500M, 1.0--150$m^3$/h.
- ●Working temperature:-20-50℃
  工作温度:-20-50℃



# 3 Inch Solar DC Brushless Screw Pump
# 3 寸太阳能直流无刷潜水泵 （螺杆泵）



3ZS



(DC24V-108V)

MPPT Controller

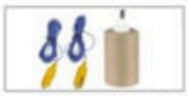
Free Accessories



Screw

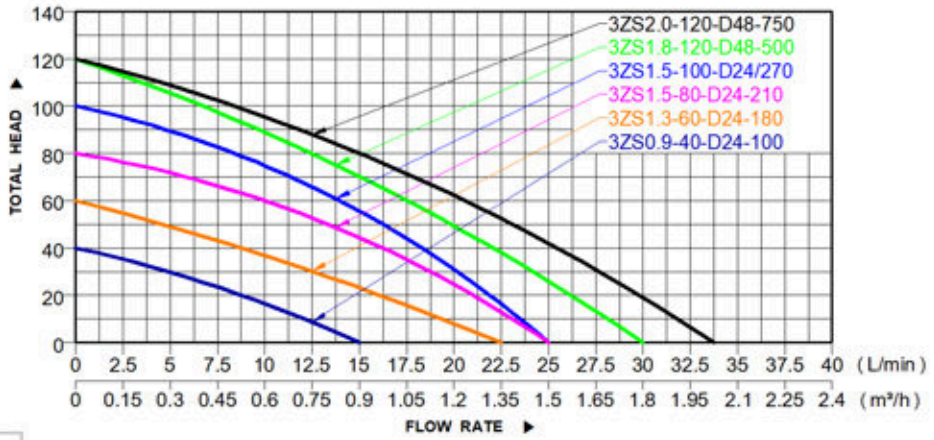


Cable connector



Water level sensor

## PERFORMANCE CURVES/工作曲线

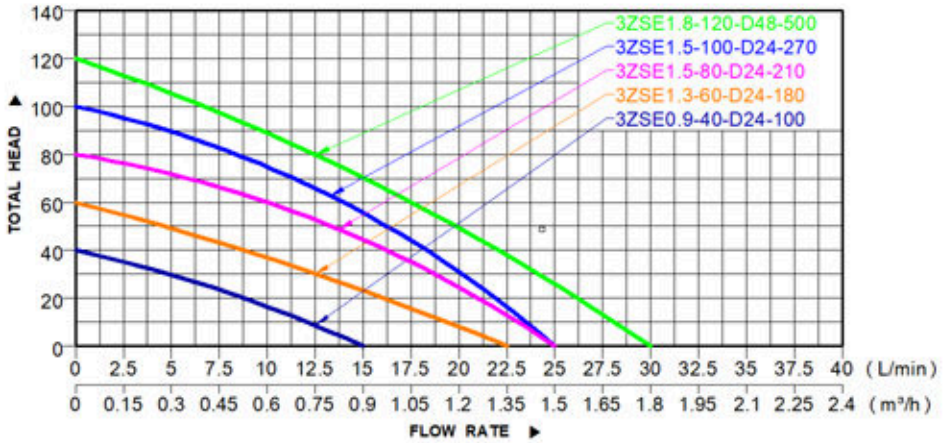



## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 3ZS0.9-40-D24-100 | Screw 螺杆 | 24 | 100 | 0.15 | 0.9 | 40 | 3/4" | Ø76 | 200W/36V*1PCS |
| 3ZS1.3-60-D24-180 | Screw 螺杆 | 24 | 180 | 0.25 | 1.3 | 60 | 3/4" | Ø76 | 275W/30V*1PCS |
| 3ZS1.5-80-D24-210 | Screw 螺杆 | 24 | 210 | 0.3 | 1.5 | 80 | 3/4" | Ø76 | 330W/36V*1PCS |
| 3ZS1.5-100-D24-270 | Screw 螺杆 | 24 | 270 | 0.36 | 1.5 | 100 | 3/4" | Ø76 | 400W/36V*1PCS |
| 3ZS1.8-120-D48-500 | Screw 螺杆 | 48 | 500 | 0.75 | 1.8 | 120 | 3/4" | Ø76 | 400W/36V*2PCS |
| 3ZS2.0-120-D48-750 | Screw 螺杆 | 48 | 750 | 1 | 2.0 | 120 | 3/4" | Ø76 | 275W/30V*4PCS |




## PERFORMANCE CURVES/工作曲线




## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 3ZSE0.9-40-D24-100 | Screw 螺杆 | 24 | 100 | 0.15 | 0.9 | 40 | 3/4" | Ø76 | 200W/36V*1PCS |
| 3ZSE1.3-60-D24-180 | Screw 螺杆 | 24 | 180 | 0.25 | 1.3 | 60 | 3/4" | Ø76 | 275W/30V*1PCS |
| 3ZSE1.5-80-D24-210 | Screw 螺杆 | 24 | 210 | 0.3 | 1.5 | 80 | 3/4" | Ø76 | 330W/36V*1PCS |
| 3ZSE1.5-100-D24-270 | Screw 螺杆 | 24 | 270 | 0.36 | 1.5 | 100 | 3/4" | Ø76 | 400W/36V*1PCS |
| 3ZSE1.8-120-D48-500 | Screw 螺杆 | 48 | 500 | 0.75 | 1.8 | 120 | 3/4" | Ø76 | 400W/36V*2PCS |

# 3 Inch Solar DC Brushless Screw Pump
# 3 寸太阳能直流无刷潜水泵 （螺杆泵）



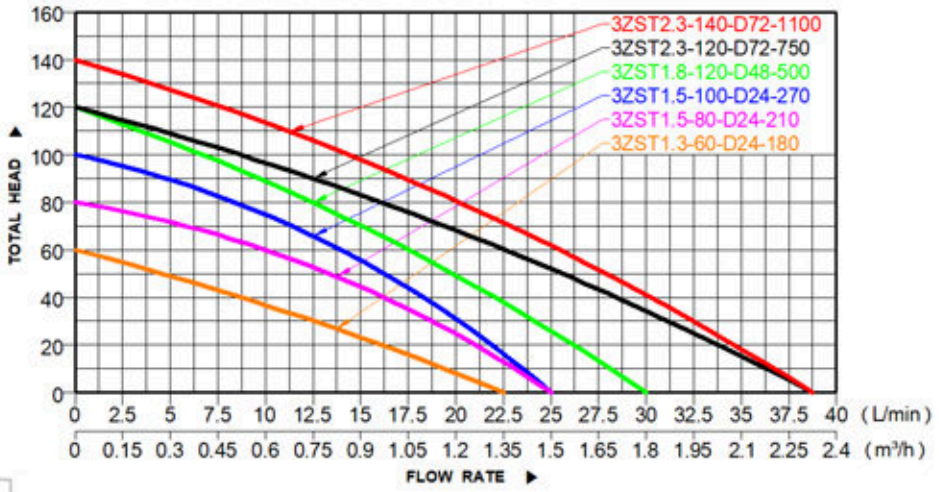
3ZST



(DC24V-108V)

MPPT Controller

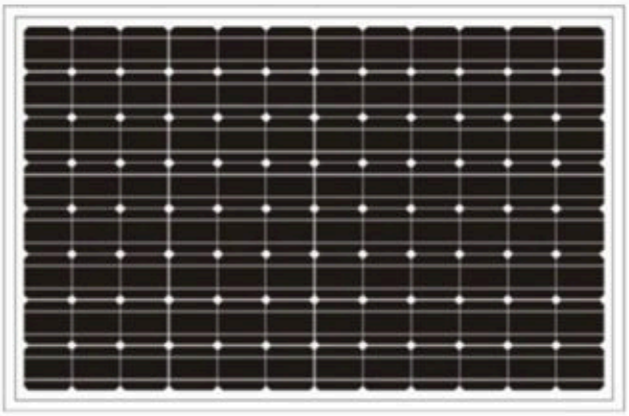
## PERFORMANCE CURVES/工作曲线



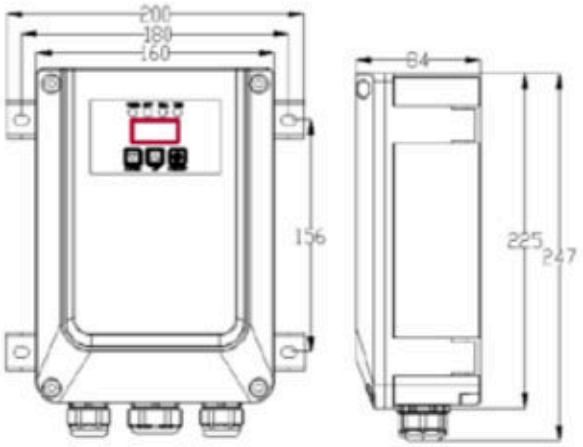

Free Accessories



Screw　Cable connector　Water level sensor



SOLAR PANEL/太阳能板




**►Material of pump/水泵材料**

- Pump motor: Highly efficient DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: SUS 304/316
  机筒材料：304 不锈钢/316
- Inlet & Outlet: Casting SUS 304/316
  出水口/进水节：压铸 304 不锈钢/316
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Screw: High quality screw
  螺杆：超耐磨螺杆

**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 3ZST1.3-60-D24-180 | Screw 螺杆 | 24 | 180 | 0.25 | 1.3 | 60 | 3/4" | Ø76 | 275W/30V*1PCS |
| 3ZST1.5-80-D24-210 | Screw 螺杆 | 24 | 210 | 0.3 | 1.5 | 80 | 3/4" | Ø76 | 330W/36V*1PCS |
| 3ZST1.5-100-D24-270 | Screw 螺杆 | 24 | 270 | 0.36 | 1.5 | 100 | 3/4" | Ø76 | 400W/36V*1PCS |
| 3ZST1.8-120-D48-500 | Screw 螺杆 | 48 | 500 | 0.75 | 1.8 | 120 | 3/4" | Ø76 | 400W/36V*2PCS |
| 3ZST2.3-120-D72-750 | Screw 螺杆 | 72 | 750 | 1 | 2.3 | 120 | 3/4" | Ø76 | 350W/36V*3PCS |
| 3ZST2.3-140-D72-1100 | Screw 螺杆 | 72 | 750 | 1.5 | 2.3 | 140 | 3/4" | Ø76 | 275W/30V*6PCS |

# 4 Inch Solar DC Brushless Screw Pump
# 4 寸太阳能直流无刷潜水泵 （螺杆泵）



4ZS





(DC24V-108V)

MPPT Controller

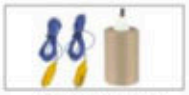
Free Accessories



Screw

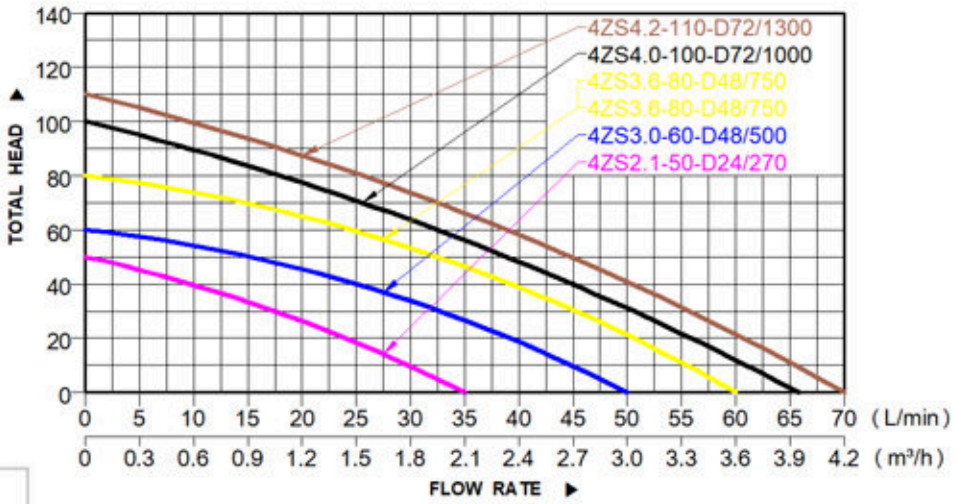


Cable connector



Water level sensor

## PERFORMANCE CURVES/工作曲线

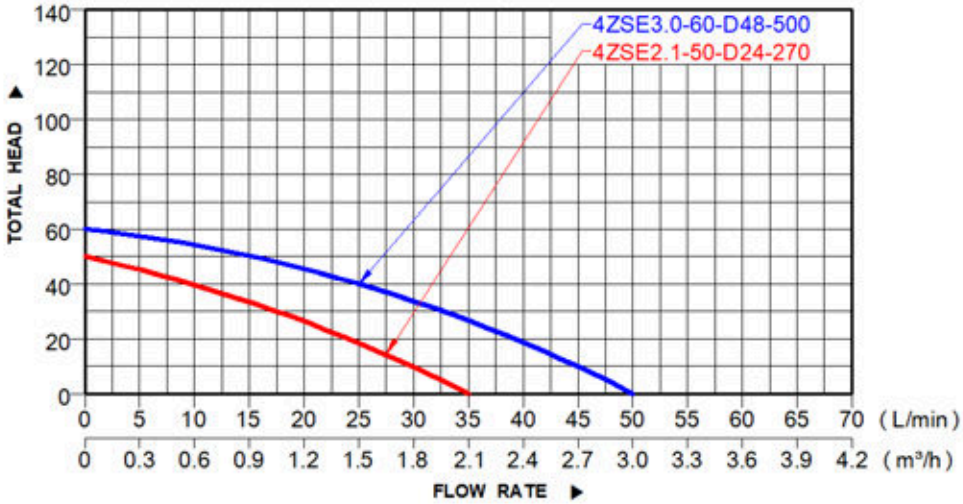



## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZS2.1-50-D24-270 | Screw 螺杆 | 24 | 270 | 0.36 | 2.1 | 50 | 1" | Ø100 | 400W/36V*1PCS |
| 4ZS3.0-60-D48-500 | Screw 螺杆 | 48 | 500 | 0.75 | 3.0 | 60 | 1" | Ø100 | 400W/36V*2PCS |
| 4ZS3.6-80-D48-750 | Screw 螺杆 | 48 | 750 | 1 | 3.6 | 80 | 1" | Ø100 | 275W/30V*4PCS |
| 4ZS3.6-80-D72-750 | Screw 螺杆 | 72 | 750 | 1 | 3.6 | 80 | 1" | Ø100 | 350W/36V*3PCS |
| 4ZS4.0-100-D72-1100 | Screw 螺杆 | 72 | 1100 | 1.5 | 4.0 | 100 | 1" | Ø100 | 275W/30V*6PCS |
| 4ZS4.2-110-D72/1300 | Screw 螺杆 | 72 | 1300 | 1.75 | 4.2 | 110 | 1" | Ø100 | 330W/36V*6PCS |




## PERFORMANCE CURVES/工作曲线




## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZSE2.1-50-D24-270 | Screw 螺杆 | 24 | 270 | 0.36 | 2.1 | 50 | 1" | Ø100 | 400W/36V*1PCS |
| 4ZSE3.0-60-D48-500 | Screw 螺杆 | 48 | 500 | 0.75 | 3.0 | 60 | 1" | Ø100 | 400W/36V*2PCS |

# 3 Inch Solar Centrifugal Pump (Plastic Impeller)
# 3 寸太阳能直流无刷潜水泵 （塑料叶轮泵）



3ZPC



（DC24V-108V）

MPPT Controller

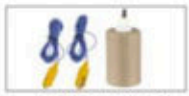
Free Accessories



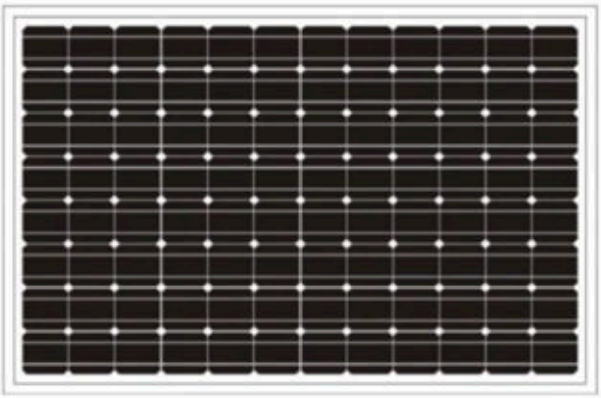
Tape



Cable connector

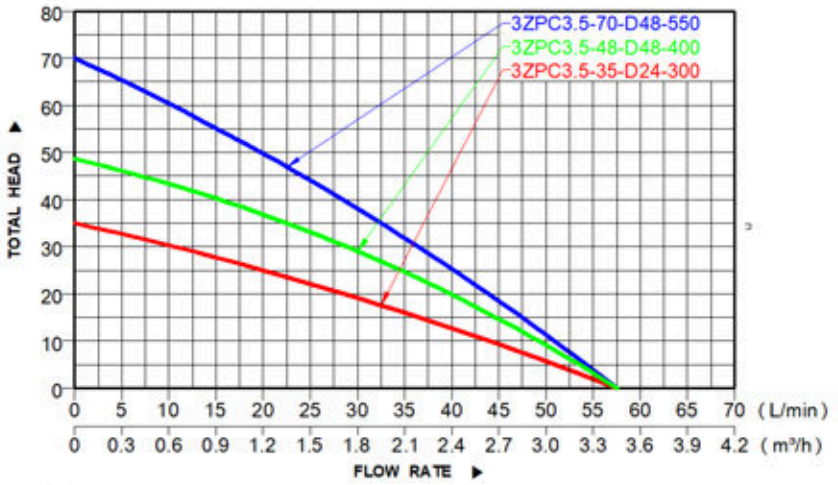


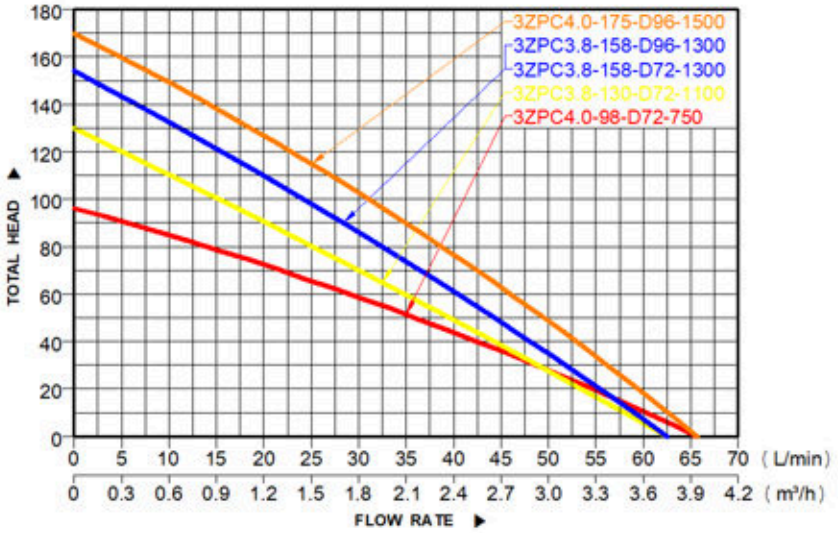
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




**►Material of pump/水泵材料**

- DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: 304 Stainless steel
  机筒材料：304 不锈钢
- Inlet & Outlet: SUS304/Brass
  出水口/进水节：304 不锈钢/铜
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Impeller material: PPO
  叶轮：PPO 高速叶轮

**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 3ZPC3.5-35-D24-300 | Plastic | 24 | 300 | 0.4 | 3.5 | 35 | 1" | Ø76 | 400W/36V*1PCS |
| 3ZPC3.5-48-D48-400 | Plastic | 48 | 400 | 0.55 | 3.5 | 48 | 1" | Ø76 | 330W/36V*2PCS |
| 3ZPC3.5-70-D48-550 | Plastic | 48 | 550 | 0.75 | 3.5 | 70 | 1" | Ø76 | 400W/36V*2PCS |
| 3ZPC4.0-98-D72-750 | Plastic | 72 | 750 | 1 | 4.0 | 98 | 1" | Ø76 | 350W/36V*3PCS |
| 3ZPC3.8-130-D72-1100 | Plastic | 72 | 1100 | 1.5 | 3.8 | 130 | 1" | Ø76 | 275W/30V*6PCS |
| 3ZPC3.8-158-D72-1300 | Plastic | 72 | 1300 | 1.75 | 3.8 | 158 | 1" | Ø76 | 330W/36V*6PCS |
| 3ZPC3.8-158-D96-1300 | Plastic | 96 | 1300 | 1.75 | 3.8 | 158 | 1" | Ø76 | 275W/30V*8PCS |
| 3ZPC4.0-175-D96-1500 | Plastic | 96 | 1500 | 2 | 4.0 | 175 | 1" | Ø76 | 275W/30V*8PCS |

# 4 Inch Solar Centrifugal Pump (Plastic Impeller)
# 4 寸太阳能直流无刷潜水泵 （塑料叶轮泵）



4ZPC



(DC24V-108V)

MPPT Controller

Free Accessories



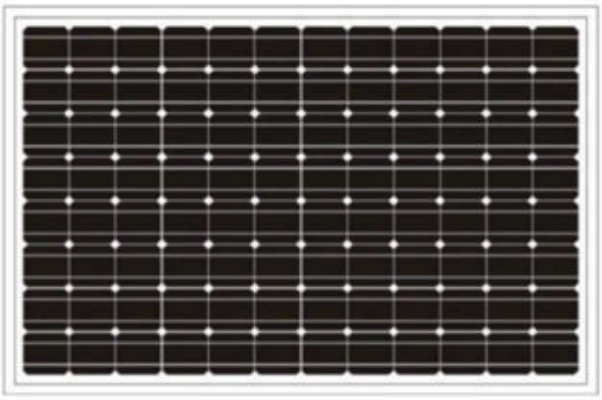
Tape



Cable connector

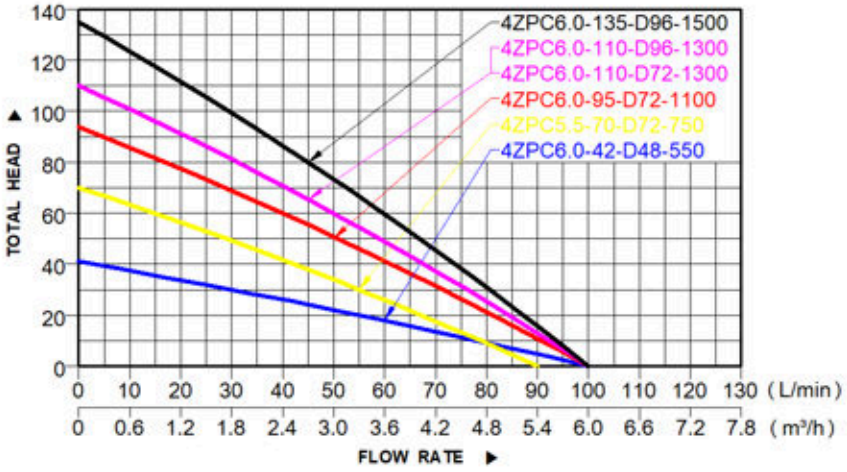


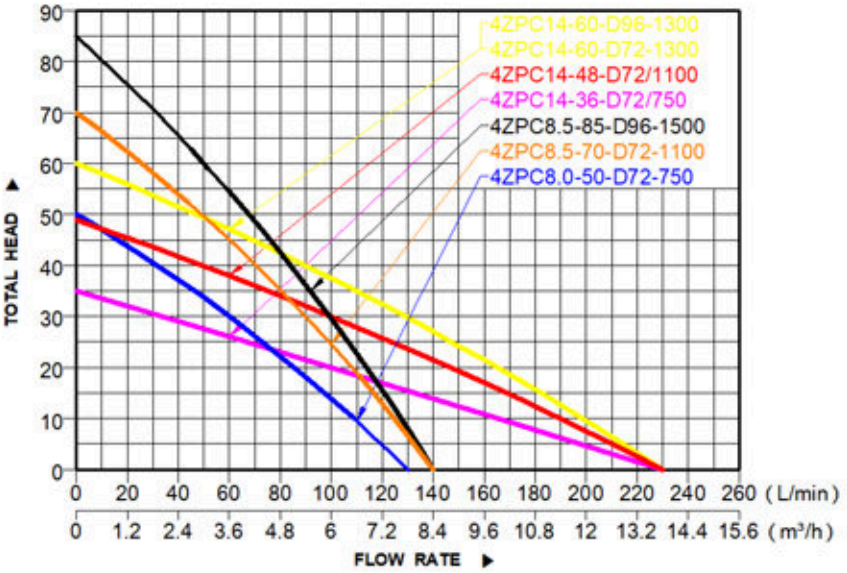
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZPC6.0-42-D48-550 | Plastic | 48 | 550 | 0.75 | 6.0 | 42 | 1.25" | Ø100 | 400W/36V*2PCS |
| 4ZPC5.5-70-D72-750 | Plastic | 72 | 750 | 1 | 5.5 | 70 | 1.25" | Ø100 | 350W/36V*3PCS |
| 4ZPC6.0-95-D72-1100 | Plastic | 72 | 1100 | 1.5 | 6.0 | 95 | 1.25" | Ø100 | 275W/30V*6PCS |
| 4ZPC6.0-110-D72-1300 | Plastic | 72 | 1300 | 1.75 | 6.0 | 110 | 1.25" | Ø100 | 330W/36V*6PCS |
| 4ZPC6.0-110-D96-1300 | Plastic | 96 | 1300 | 1.75 | 6.0 | 110 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZPC6.0-135-D96-1500 | Plastic | 96 | 1500 | 2 | 6.0 | 135 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZPC8.0-50-D72-750 | Plastic | 72 | 750 | 1 | 8.0 | 50 | 1.5" | Ø100 | 350W/36V*3PCS |
| 4ZPC8.5-70-D72-1100 | Plastic | 72 | 1100 | 1.5 | 8.5 | 70 | 1.5" | Ø100 | 275W/30V*6PCS |
| 4ZPC8.5-85-D96-1500 | Plastic | 96 | 1500 | 2 | 8.5 | 85 | 1.5" | Ø100 | 275W/30V*8PCS |
| 4ZPC14-36-D72/750 | Plastic | 72 | 750 | 1 | 14.0 | 36 | 2" | Ø100 | 350W/36V*3PCS |
| 4ZPC14-48-D72/1100 | Plastic | 72 | 1100 | 1.5 | 14.0 | 48 | 2" | Ø100 | 275W/30V*6PCS |
| 4ZPC14-60-D72-1300 | Plastic | 72 | 1300 | 1.75 | 14.0 | 60 | 2" | Ø100 | 330W/36V*6PCS |
| 4ZPC14-60-D96-1300 | Plastic | 96 | 1300 | 1.75 | 14.0 | 60 | 2" | Ø100 | 275W/30V*8PCS |

# 3 Inch Solar Centrifugal Pump (Stainless steel Impeller)
# 3 寸太阳能直流无刷潜水泵 （不锈钢叶轮泵）



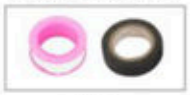
3ZSC



（DC24V-108V)

MPPT Controller

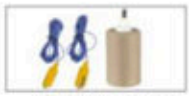
Free Accessories



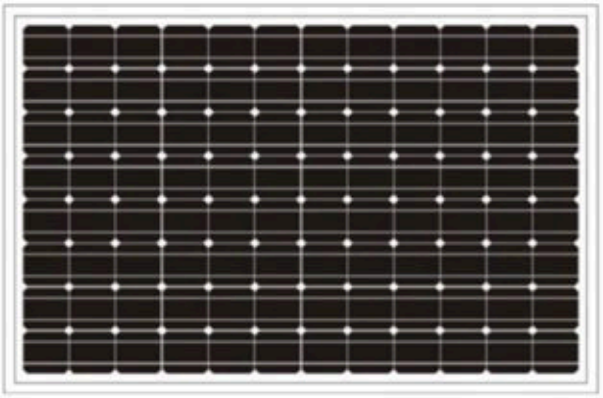
Tape



Cable connector

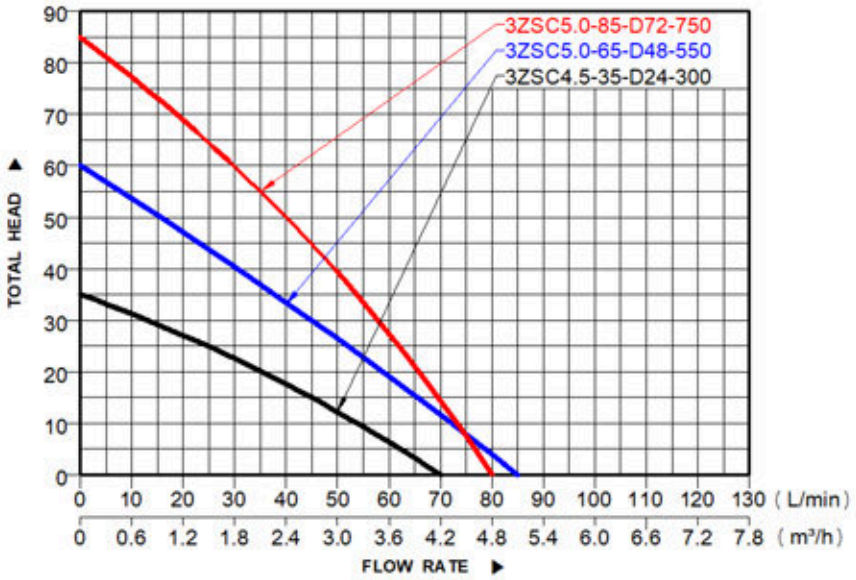


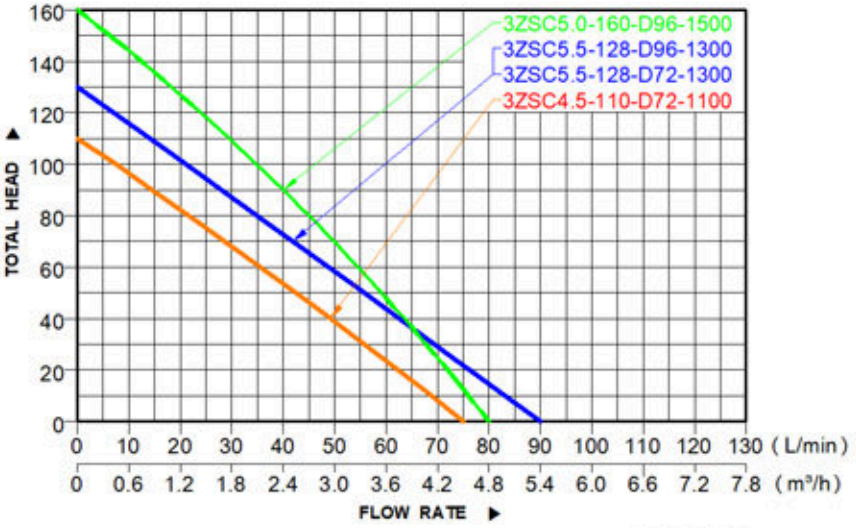
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




**►Material of pump/水泵材料**

- DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: 304 Stainless steel
  机筒材料：304 不锈钢
- Inlet & Outlet: SUS304
  出水口/进水节：304 不锈钢
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Impeller material: SUS304
  叶轮：304 不锈钢

**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 3ZSC4.5-35-D24-300 | SS 304 | 24 | 300 | 0.4 | 4.5 | 35 | 1.25" | Ø76 | 200W/36V*2PCS |
| 3ZSC5.0-65-D48-550 | SS 304 | 48 | 500 | 0.75 | 5.0 | 65 | 1.25" | Ø76 | 400W/36V*2PCS |
| 3ZSC5.0-85-D72-750 | SS 304 | 72 | 750 | 1 | 5.0 | 85 | 1.25" | Ø76 | 350W/36V*3PCS |
| 3ZSC4.5-110-D72-1100 | SS 304 | 72 | 1100 | 1.5 | 4.5 | 110 | 1.25" | Ø76 | 275W/30V*6PCS |
| 3ZSC5.5-128-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 5.0 | 128 | 1.25" | Ø76 | 330W/36V*6PCS |
| 3ZSC5.5-128-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 5.5 | 128 | 1.25" | Ø76 | 275W/30V*8PCS |
| 3ZSC5.0-160-D96-1500 | SS 304 | 96 | 1500 | 2 | 5.0 | 160 | 1.25" | Ø76 | 275W/30V*8PCS |

# 4 Inch Solar Centrifugal Pump (Stainless steel Impeller)
# 4 寸太阳能直流无刷潜水泵 （不锈钢叶轮泵）



4ZSC



（DC24V-108V)



（DC24V-108V)

MPPT Controller

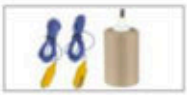
Free Accessories



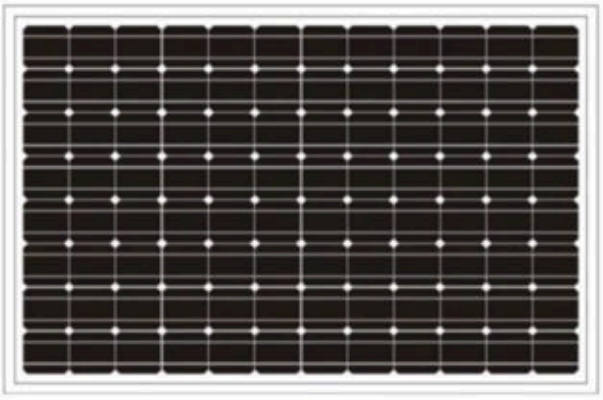
Tape



Cable connector

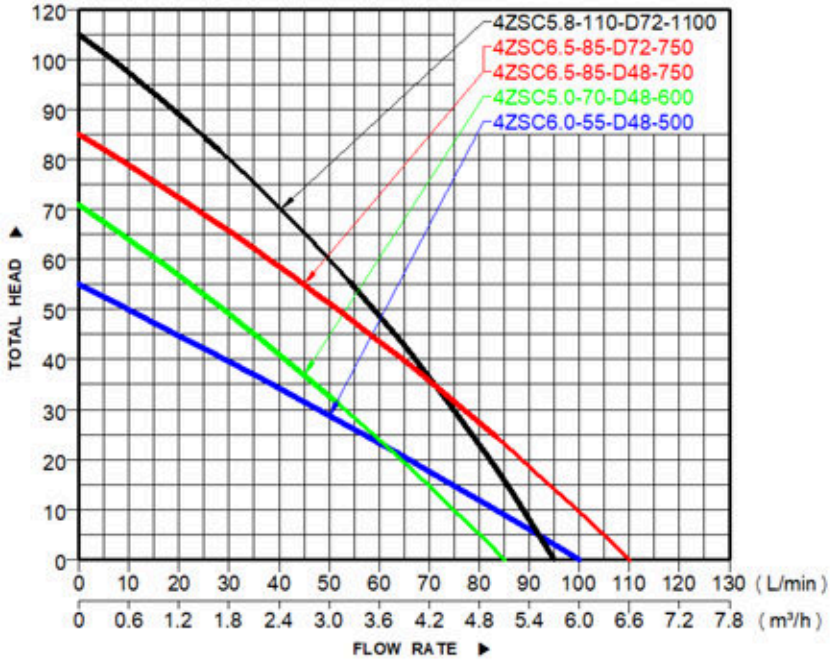


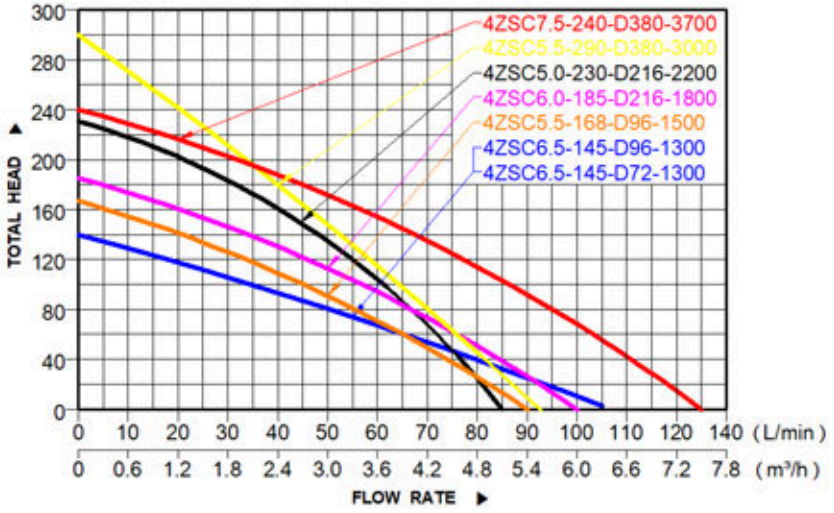
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZSC6.0-55-D48-500 | SS 304 | 48 | 500 | 0.75 | 6.0 | 55 | 1.25" | Ø100 | 400W/36V*2PCS |
| 4ZSC5.0-70-D48-600 | SS 304 | 48 | 600 | 0.8 | 5.0 | 70 | 1.25" | Ø100 | 400W/36V*2PCS |
| 4ZSC6.5-85-D48-750 | SS 304 | 48 | 750 | 1 | 6.5 | 85 | 1.25" | Ø100 | 275W/30V*4PCS |
| 4ZSC6.5-85-D72-750 | SS 304 | 72 | 750 | 1 | 6.5 | 85 | 1.25" | Ø100 | 350W/36V*3PCS |
| 4ZSC5.8-110-D72-1100 | SS 304 | 72 | 1100 | 1.5 | 5.8 | 110 | 1.25" | Ø100 | 275W/30V*6PCS |
| 4ZSC6.5-145-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 6.5 | 145 | 1.25" | Ø100 | 330W/36V*6PCS |
| 4ZSC6.5-145-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 6.5 | 145 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZSC5.5-168-D96-1500 | SS 304 | 96 | 1500 | 2 | 5.5 | 168 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZSC6.0-185-D216-1800 | SS 304 | 216 | 1800 | 2.5 | 6.0 | 185 | 1.25" | Ø100 | 330W/36V*9PCS |
| 4ZSC5.0-230-D216-2200 | SS 304 | 216 | 2200 | 3 | 5.0 | 230 | 1.25" | Ø100 | 350W/36V*9PCS |
| 4ZSC5.5-290-D380-3000 | SS 304 | 380 | 3000 | 4 | 5.5 | 290 | 1.25" | Ø100 | 330W/36V*15PCS |
| 4ZSC7.5-240-D380-3700 | SS 304 | 380 | 3700 | 5 | 7.5 | 240 | 1.25" | Ø100 | 400W/36V*15PCS |

# 4 Inch Solar Centrifugal Pump (Stainless steel Impeller)
# 4 寸太阳能直流无刷潜水泵 （不锈钢叶轮泵）



4ZSC



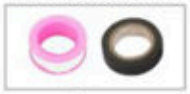
（DC24V-108V）



（DC24V-108V）

MPPT Controller

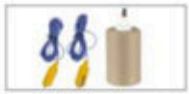
Free Accessories



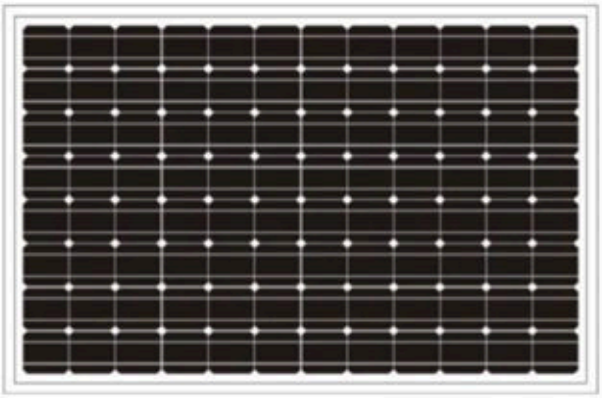
Tape



Cable connector

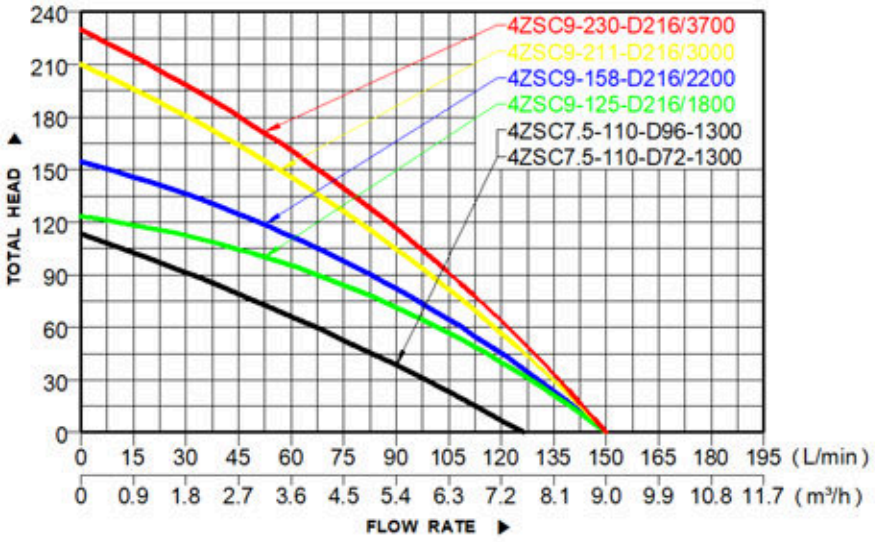


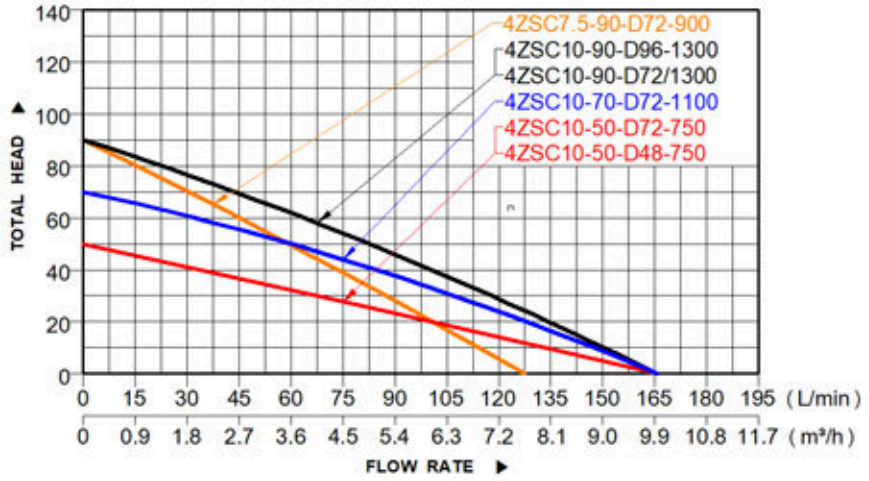
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




## ▶TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZSC7.5-90-D72-900 | SS 304 | 72 | 900 | 1.2 | 7.5 | 90 | 1.25" | Ø100 | 400W/36V*3PCS |
| 4ZSC7.5-110-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 7.5 | 110 | 1.25" | Ø100 | 330W/36V*6PCS |
| 4ZSC7.5-110-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 7.5 | 110 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZSC9-125-D96-1500 | SS 304 | 96 | 1500 | 2 | 9.0 | 125 | 1.25" | Ø100 | 275W/30V*8PCS |
| 4ZSC9-158-D216-2200 | SS 304 | 216 | 2200 | 3 | 9.0 | 158 | 1.25" | Ø100 | 350W/36V*9PCS |
| 4ZSC9-211-D380-3000 | SS 304 | 380 | 3000 | 4 | 9.0 | 211 | 1.25" | Ø100 | 330W/36V*15PCS |
| 4ZSC9-230-D380-3700 | SS 304 | 380 | 3700 | 5 | 9.0 | 230 | 1.25" | Ø100 | 400W/36V*15PCS |
| 4ZSC10-50-D48-750 | SS 304 | 48 | 750 | 1 | 10 | 50 | 1.5" | Ø100 | 275W/30V*4PCS |
| 4ZSC10-50-D72-750 | SS 304 | 72 | 750 | 1 | 10 | 50 | 1.5" | Ø100 | 350W/36V*3PCS |
| 4ZSC10-70-D72-1100 | SS 304 | 72 | 1100 | 1.5 | 10 | 70 | 1.5" | Ø100 | 275W/30V*6PCS |
| 4ZSC10-90-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 10 | 90 | 1.5" | Ø100 | 330W/36V*6PCS |
| 4ZSC10-90-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 10 | 90 | 1.5" | Ø100 | 275W/30V*8PCS |

# 4 Inch Solar Centrifugal Pump (Stainless steel Impeller)
# 4 寸太阳能直流无刷潜水泵 （不锈钢叶轮泵）



4ZSC



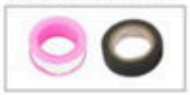
（DC24V-108V）



（DC24V-108V）

MPPT Controller

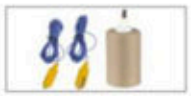
Free Accessories



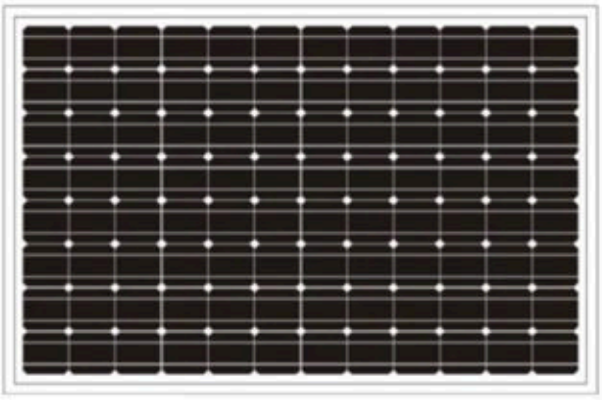
Tape



Cable connector

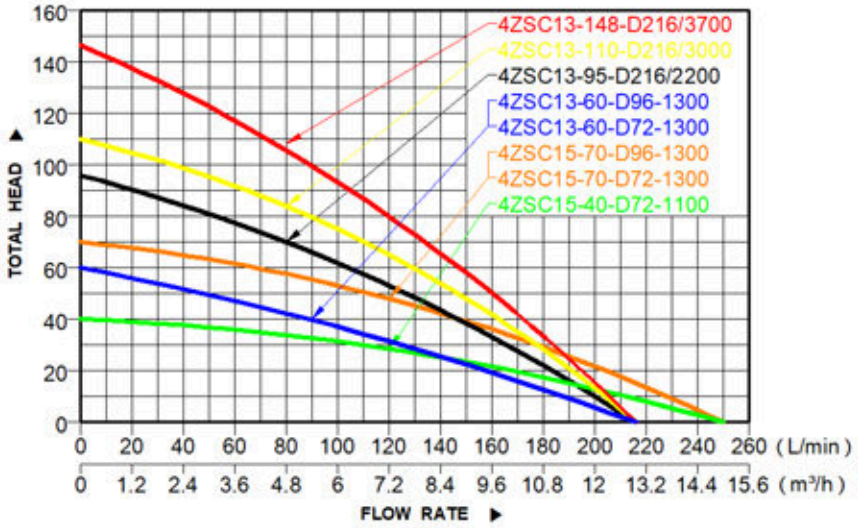


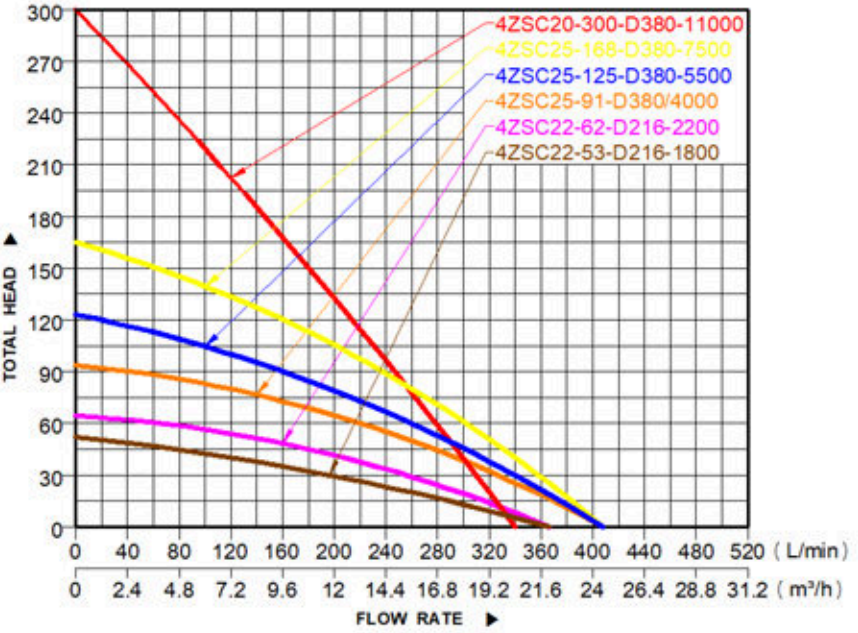
Water level sensor



SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 4ZSC13-60-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 13 | 60 | 1.5" | Ø100 | 330W/36V*6PCS |
| 4ZSC13-60-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 13 | 60 | 1.5" | Ø100 | 275W/30V*8PCS |
| 4ZSC13-95-D216-2200 | SS 304 | 216 | 2200 | 3 | 13 | 95 | 1.5" | Ø100 | 350W/36V*9PCS |
| ZSC13-110-D380-3000 | SS 304 | 380 | 3000 | 4 | 13 | 110 | 1.5" | Ø100 | 350W/36V*15PCS |
| 4ZSC13-148-D380-3700 | SS 304 | 380 | 3700 | 5 | 15 | 148 | 1.5" | Ø100 | 400W/36V*15PCS |
| 4ZSC15-40-D72-1100 | SS 304 | 72 | 1100 | 1.5 | 15 | 40 | 2" | Ø100 | 275W/30V*6PCS |
| 4ZSC15-70-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 15 | 70 | 2" | Ø100 | 330W/36V*6PCS |
| 4ZSC15-70-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 15 | 70 | 2" | Ø100 | 275W/30V*8PCS |
| 4ZSC22-53-D216-1800 | SS 304 | 216 | 1800 | 2.5 | 22 | 53 | 2" | Ø100 | 330W/36V*9PCS |
| 4ZSC22-62-D216-2200 | SS 304 | 216 | 2200 | 3 | 22 | 62 | 2" | Ø100 | 350W/36V*9PCS |
| 4ZSC25-91-D380-4000 | SS 304 | 380 | 4000 | 5 | 25 | 91 | 2" | Ø100 | 400W/36V*15PCS |
| 4ZSC25-125-D380-5500 | SS 304 | 380 | 5500 | 7.5 | 25 | 125 | 2" | Ø100 | 330W/36V*30PCS |
| 4ZSC25-168-D380-7500 | SS 304 | 380 | 7500 | 10 | 25 | 168 | 2" | Ø100 | 400W/36V*30PCS |
| 4ZSC20-300-D380-11000 | SS 304 | 380 | 11000 | 15 | 20 | 300 | 2" | Ø100 | 400W/36V*45PCS |

# 6 Inch Solar Centrifugal Pump (Stainless steel Impeller)
# 6 寸太阳能直流无刷潜水泵 （不锈钢叶轮泵）



6ZSC





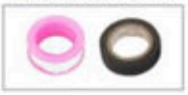
(DC24V-108V)



(DC24V-108V)

MPPT Controller

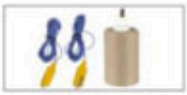
Free Accessories



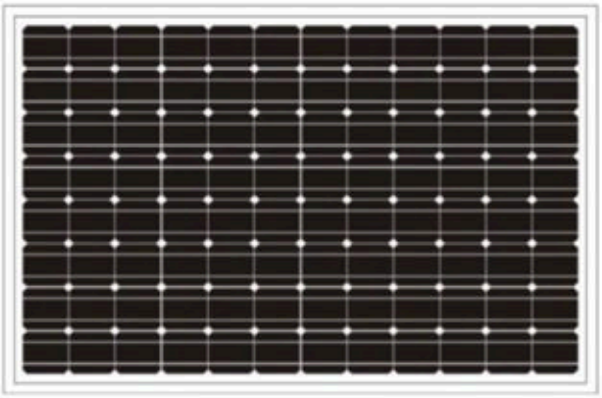
Tape



Cable connector

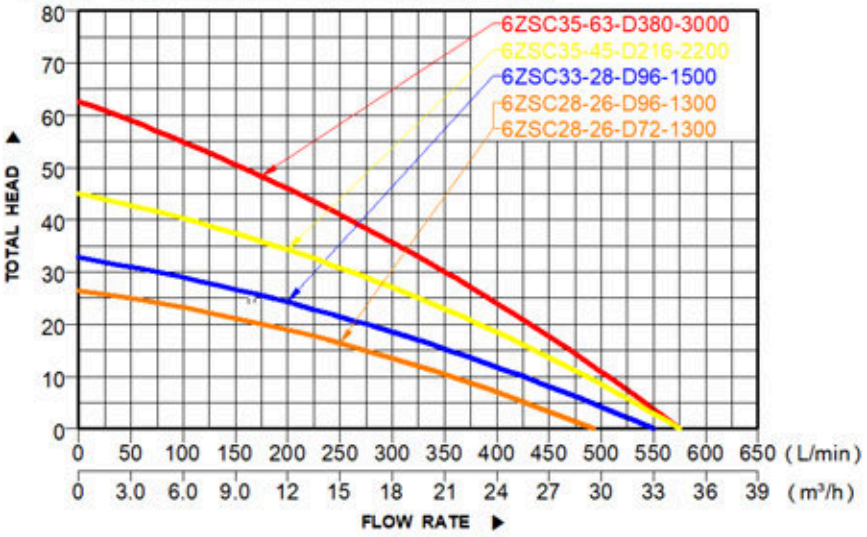


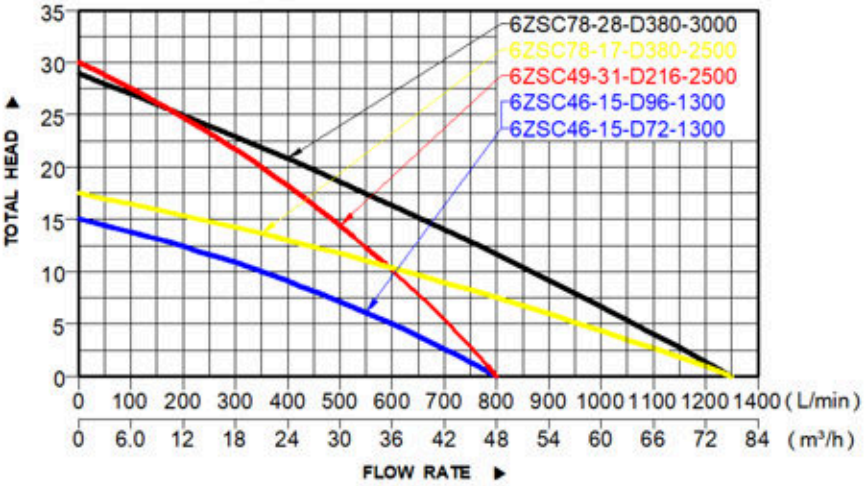
Water level sensor



## SOLAR PANEL

## PERFORMANCE CURVES/工作曲线




**►Material of pump/水泵材料**

- DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: 304 Stainless steel
  机筒材料：304 不锈钢
- Inlet & Outlet: SUS304
  出水口/进水节：304 不锈钢
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Impeller material: SUS304
  叶轮：304 不锈钢

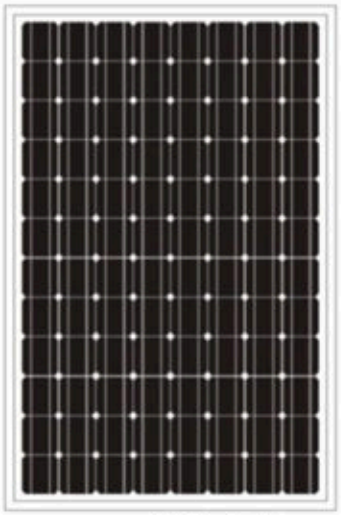
**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Outlet 出水口 | Diameter 外径 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (Inch) | (mm) | (W) |
| 6ZSC28-26-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 28 | 26 | 3" | Ø150 | 330W/36V*6PCS |
| 6ZSC28-26-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 28 | 26 | 3" | Ø150 | 275W/30V*8PCS |
| 6ZSC33-28-D96-1500 | SS 304 | 96 | 1500 | 2 | 33 | 28 | 3" | Ø150 | 275W/30V*8PCS |
| 6ZSC35-45-D216-2200 | SS 304 | 216 | 2200 | 3 | 35 | 45 | 3" | Ø150 | 350W/36V*9PCS |
| 6ZSC35-63-D380-3000 | SS 304 | 380 | 3000 | 4 | 35 | 63 | 3" | Ø150 | 350W/36V*15PCS |
| 6ZSC46-15-D72-1300 | SS 304 | 72 | 1300 | 1.75 | 46 | 15 | 3" | Ø150 | 330W/36V*6PCS |
| 6ZSC46-15-D96-1300 | SS 304 | 96 | 1300 | 1.75 | 46 | 15 | 3" | Ø150 | 275W/30V*8PCS |
| 6ZSC49-31-D216-2500 | SS 304 | 216 | 2500 | 3 | 49 | 31 | 3" | Ø150 | 400W/36V*9PCS |
| 6ZSC78-17-D380-2500 | SS 304 | 380 | 2500 | 3 | 78 | 17 | 4" | Ø150 | 400W/36V*9PCS |
| 6ZSC78-28-D380-3000 | SS 304 | 380 | 3000 | 4 | 78 | 28 | 4" | Ø150 | 330W/36V*15PCS |

# Solar AC Centrifugal Pump (Stainless steel Impeller)
# 太阳能交流潜水泵 （不锈钢叶轮泵）







（DC168V-380V)

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Flow / head (Best use of range) 最佳工作流量/扬程 | | | Outlet 出水口 | Diameter 外径 | Solar Panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (HP) | (KW) | | | | (Inch) | (mm) | (W) |
| 4SP3-52A | SS 304 | AC380 | 5 | 4 | 1.8m3/288m | 3m3/240m | 4.2m3/141m | 1.25" | 100 | 6000 |
| 4SP5-44A | SS 304 | AC380 | 5 | 4 | 2.7m3/230m | 5m3/175m | 6m3/122m | 1.5" | 100 | 6000 |
| 4SP8-25A | SS 304 | AC380 | 5 | 4 | 4.2m3/127m | 8m3/96m | 10.8m3/60m | 2" | 100 | 6000 |
| 4SP8-37A | SS 304 | AC380 | 7.5 | 5.5 | 4.2m3/188m | 8m3/143m | 10.8m3/89m | 2" | 100 | 9900 |
| 4SP14-13 | SS 304 | AC380 | 5 | 4 | 6m3/70m | 14m3/57m | 18m3/34m | 2" | 100 | 6000 |
| 4SPS14-18 | SS 304 | AC380 | 7.5 | 5.5 | 6m3/100m | 14m3/75m | 18m3/47m | 2" | 100 | 9900 |
| 4SP14-25 | SS 304 | AC380 | 10 | 7.5 | 6m3/138m | 14m3/110m | 18m3/65m | 2" | 100 | 12000 |
| 6SP17-9 | SS 304 | AC380 | 7.5 | 5.5 | 9m3/88m | 17m3/74m | 20m3/63m | 3" | 150 | 9900 |
| 6SP17-12 | SS 304 | AC380 | 10 | 7.5 | 9m3/117m | 17m3/99m | 20m3/84m | 3" | 150 | 12000 |
| 6SP17-15 | SS 304 | AC380 | 12.5 | 9.2 | 9m3/146m | 17m3/124m | 20m3/105m | 3" | 150 | 14850 |
| 6SP17-18 | SS 304 | AC380 | 15 | 11 | 9m3/175m | 17m3/148m | 20m3/126m | 3" | 150 | 18000 |
| 6SP17-24 | SS 304 | AC380 | 20 | 15 | 9m3/234m | 17m3/198m | 20m3/168m | 3" | 150 | 24000 |
| 6SP17-30 | SS 304 | AC380 | 25 | 18.5 | 9m3/292m | 17m3/247m | 20m3/210m | 3" | 150 | 29700 |
| 6SP30-6 | SS 304 | AC380 | 7.5 | 5.5 | 18m3/59m | 30m3/46m | 36m3/33m | 3" | 150 | 9900 |
| 6SP30-8 | SS 304 | AC380 | 10 | 7.5 | 18m3/79m | 30m3/61m | 36m3/44m | 3" | 150 | 12000 |
| 6SP30-10 | SS 304 | AC380 | 12.5 | 9.2 | 18m3/98m | 30m3/76m | 36m3/55m | 3" | 150 | 14850 |
| 6SP30-13 | SS 304 | AC380 | 15 | 11 | 18m3/127m | 30m3/99m | 36m3/72m | 3" | 150 | 18000 |
| 6SP30-17 | SS 304 | AC380 | 20 | 15 | 18m3/167m | 30m3/129m | 36m3/94m | 3" | 150 | 24000 |
| 6SP30-21 | SS 304 | AC380 | 25 | 18.5 | 18m3/206m | 30m3/159m | 36m3/116m | 3" | 150 | 29700 |
| 6SP46-4 | SS 304 | AC380 | 10 | 7.5 | 30m3/43m | 46m3/35m | 60m3/20m | 4" | 150 | 12000 |
| 6SP46-5 | SS 304 | AC380 | 10 | 7.5 | 30m3/54m | 46m3/45m | 60m3/25m | 4" | 150 | 12000 |
| 6SP46-6 | SS 304 | AC380 | 12.5 | 9.2 | 30m3/65m | 46m3/52m | 60m3/30m | 4" | 150 | 14850 |
| 6SP46-7 | SS 304 | AC380 | 15 | 11 | 30m3/76m | 46m3/60m | 60m3/35m | 4" | 150 | 18000 |
| 6SP46-10 | SS 304 | AC380 | 20 | 15 | 30m3/109m | 46m3/85m | 60m3/50m | 4" | 150 | 24000 |
| 6SP46-12 | SS 304 | AC380 | 25 | 18.5 | 30m3/130m | 46m3/100m | 60m3/60m | 4" | 150 | 29700 |
| 6SP60-4 | SS 304 | AC380 | 10 | 7.5 | 40m3/40m | 60m3/30m | 70m3/22m | 4" | 150 | 12000 |
| 6SP60-5 | SS 304 | AC380 | 12.5 | 9.2 | 40m3/51m | 60m3/38m | 70m3/28m | 4" | 150 | 14850 |
| 6SP60-6 | SS 304 | AC380 | 15 | 11 | 40m3/62m | 60m3/45m | 70m3/34m | 4" | 150 | 18000 |
| 6SP60-8 | SS 304 | AC380 | 20 | 15 | 40m3/84m | 60m3/62m | 70m3/46m | 4" | 150 | 24000 |
| 6SP60-10 | SS 304 | AC380 | 25 | 18.5 | 40m3/105m | 60m3/78m | 70m3/60m | 4" | 150 | 29700 |

# Solar DC Swimming Pool Pump
# 太阳能直流无刷泳池泵



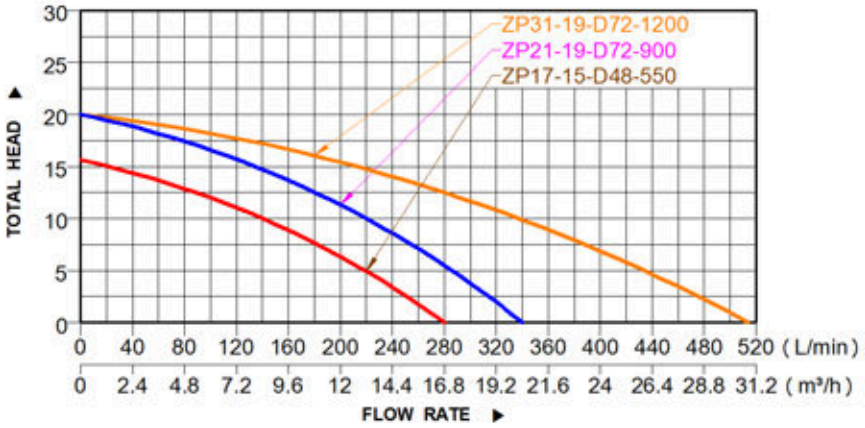
MPPT Controller

Free Accessories



Tape　Cable connector　Water level sensor

## PERFORMANCE CURVES/工作曲线




### ►Material of pump/水泵材料

- Pump motor: Highly efficient DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: Glass loaded polypropilen
  泵体材料：玻璃纤维聚丙烯
- Motor shaft: SUS316
  电机轴材料：316 不锈钢
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Mechanical seal: Graphite and alumine
  机械密封：海水专用密封

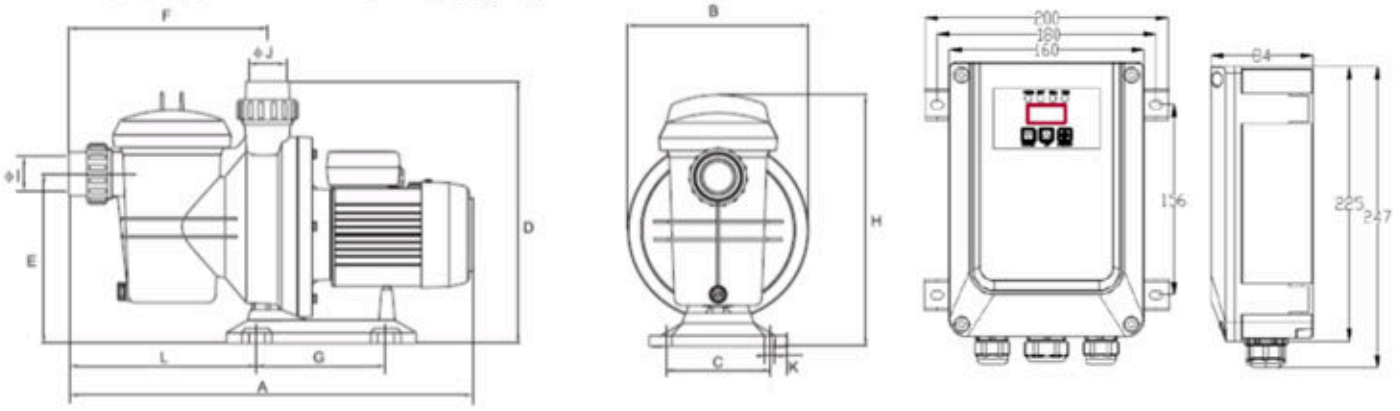
### ►MPPT Controller function/MPPT 控制器功能

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Max Suction 最大吸程 | Inlet/Outlet 进出水口 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (M) | (mm) | (W) |
| ZP17-15-D48-550 | Plastic | 48 | 500 | 0.75 | 17 | 15 | 5 | 2"x2" | 400W/36V*2PCS |
| ZP21-19-D72-900 | Plastic | 48 | 900 | 1.2 | 21 | 19 | 5 | 2"x2" | 400W/36V*3PCS |
| ZP31-19-D72-1200 | Plastic | 72 | 1200 | 1.5 | 31 | 19 | 5 | 2.5"x2.5" | 330W/36V*6PCS |

## ►DIMENSIONS AND WEIGHT/安装尺寸



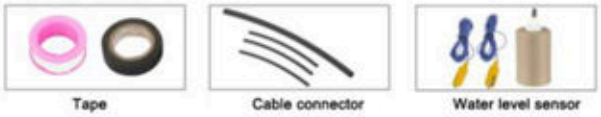

| Model | A | B | C | D | E | F | G | H | L | I | J | K | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZP17-15-D48-500 | 550 | 238 | 160 | 345 | 225 | 262 | 170 | 330 | 245 | 50 | 50 | 4-Ø10 | 9.3kg |
| ZP21-19-D72-900 | 570 | 238 | 160 | 345 | 225 | 262 | 170 | 330 | 245 | 50 | 50 | 4-Ø10 | 11.9kg |
| ZP31-19-D72-1200 | 655 | 270 | 230 | 450 | 295 | 335 | 200 | 440 | 270 | 63 | 63 | 4-Ø10 | 16.6kg |

# Solar DC Surface Pump(CM Series)
# 太阳能直流无刷地表泵（卧式多级泵）



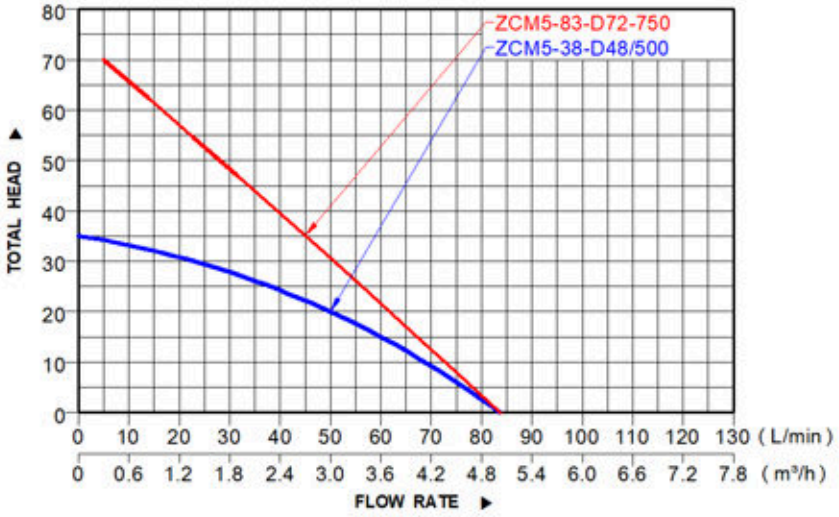
MPPT Controller

Free Accessories



Tape　Cable connector　Water level sensor

## PERFORMANCE CURVES/工作曲线




**►Material of pump/水泵材料**

- Pump motor: Highly efficient DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: 304 Stainless Steel
  泵体材料：304 不锈钢
- Impeller: SUS304
  叶轮材料：304 不锈钢
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Inlet/Outlet: 304 Stainless Steel
  进出口：304 不锈钢

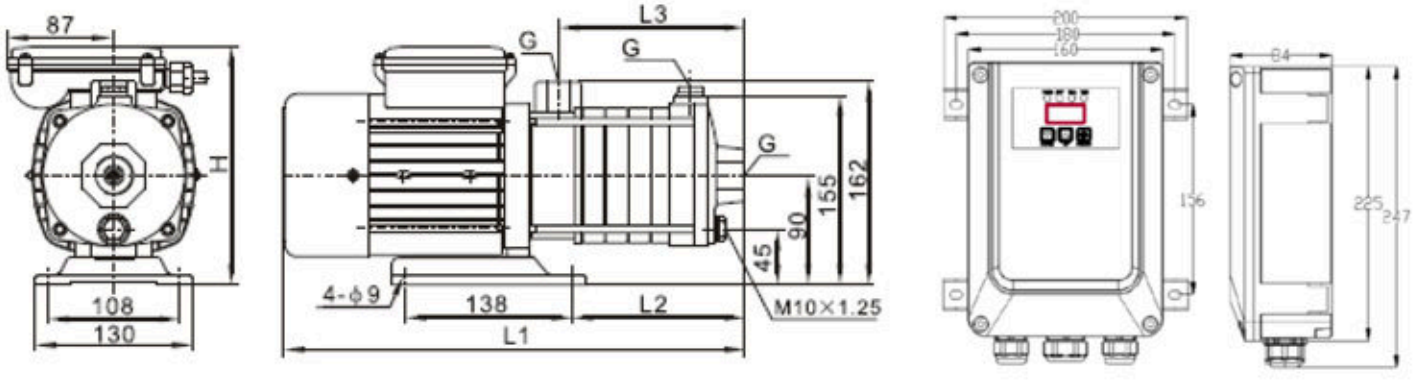
**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Max Suction 最大吸程 | Inlet/Outlet 进出水口 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (M) | (mm) | (W) |
| ZCM5-38-D48-500 | SS 304 | 48 | 500 | 0.75 | 5 | 38 | 8 | 1"x1" | 400W/36V*2PCS |
| ZCM5-83-D72-750 | SS 304 | 72 | 750 | 1 | 5 | 83 | 8 | 1"x1" | 350W/36V*3PCS |

## ►DIMENSIONS AND WEIGHT/安装尺寸




| Model | L1(mm) | L2(mm) | L3(mm) | H(mm) | Inlet（inch） | outlet（inch） | Weight |
|---|---|---|---|---|---|---|---|
| ZCM5-38-D48-500 | 362 | 126 | 136 | 198 | 1" | 1" | 10 |
| ZCM5-83-D48-750 | 398 | 162 | 172 | 198 | 1" | 1" | 11 |

# Solar DC Surface Pump(CPM Series)
# 太阳能直流无刷地表泵（离心泵）



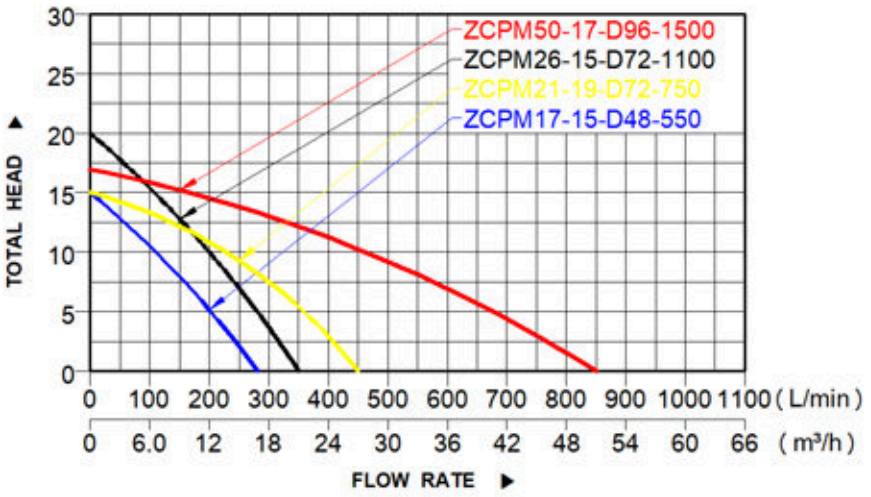
MPPT Controller

Free Accessories



Tape　Cable connector　Water level sensor

## PERFORMANCE CURVES/工作曲线




### ►Material of pump/水泵材料

- Pump motor: Highly efficient DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: Iron Steel
  泵体材料：铸铁
- Impeller: Brass
  叶轮材料：铜
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Inlet/Outlet: Iron Steel
  进出口：铸铁

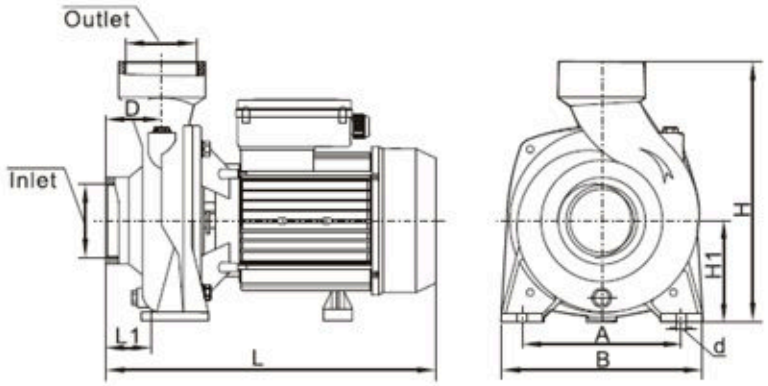
### ►MPPT Controller function/MPPT 控制器功能

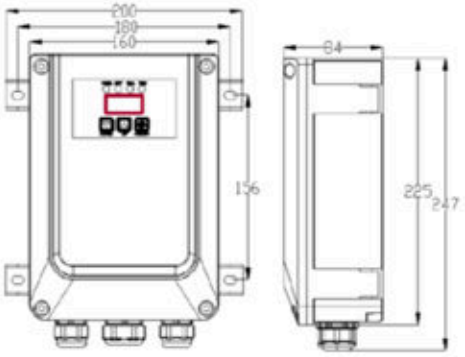
- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Max Suction 最大吸程 | Inlet/Outlet 进出水口 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (M) | (mm) | (W) |
| ZCPM17-15-D48-550 | Brass | 48 | 500 | 0.75 | 17 | 15 | 8 | 2"x2" | 400W/36V*2PCS |
| ZCPM21-19-D72-750 | Brass | 72 | 750 | 1 | 21 | 19 | 8 | 2"x2" | 350W/36V*3PCS |
| ZCPM26-15-D72-1100 | Brass | 72 | 1100 | 1.5 | 26 | 15 | 8 | 2"x2" | 275W/30V*6PCS |
| ZCPM50-17-D96-1500 | Brass | 96 | 1500 | 2 | 50 | 17 | 8 | 3"x3" | 275W/30V*8PCS |

## ►DIMENSIONS AND WEIGHT/安装尺寸



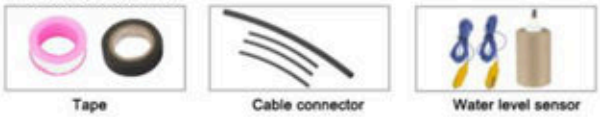




| Model | A | B | D | L | L1 | H | H1 | d | Inlet | outlet | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZCPM17-15-D48-550 | 156 | 195 | 62.5 | 350 | 50 | 242 | 100 | 10 | 2" | 2" | 13 |
| ZCPM21-19-D48-750 | 156 | 195 | 62.5 | 350 | 50 | 242 | 100 | 10 | 2" | 2" | 14 |
| ZCPM26-15-D72-1100 | 156 | 195 | 62.5 | 350 | 50 | 242 | 100 | 10 | 2" | 2" | 16 |
| ZCPM50-17-D96-1500 | 180 | 230 | 70 | 440 | 60 | 310 | 120 | 12 | 3" | 3" | 29 |

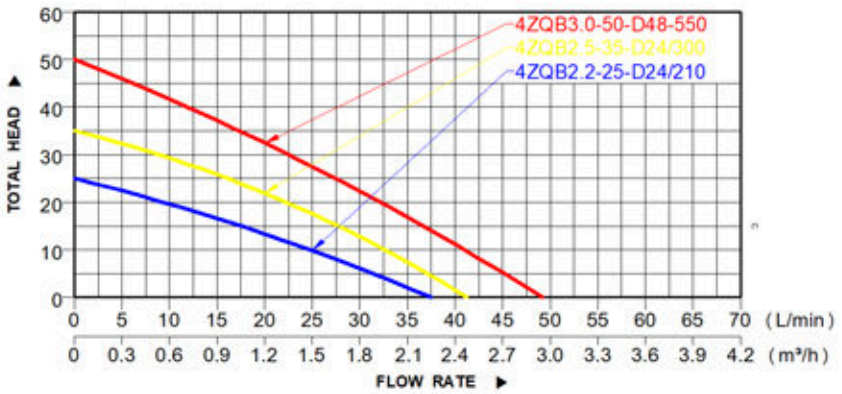
# Solar DC Surface Pump(QB Series)
# 太阳能直流无刷地表泵（漩涡泵）




Free Accessories




## PERFORMANCE CURVES/工作曲线




**►Material of pump/水泵材料**

- Pump motor: Highly efficient DC brushless motor
  水泵电机：高效直流无刷电机
- Pump body: Iron Steel
  泵体材料：铸铁
- Impeller: Brass
  叶轮材料：铜
- Bearing: NSK/C&U
  轴承：NSK/C&U
- Inlet/Outlet: Iron Steel
  进出口：铸铁

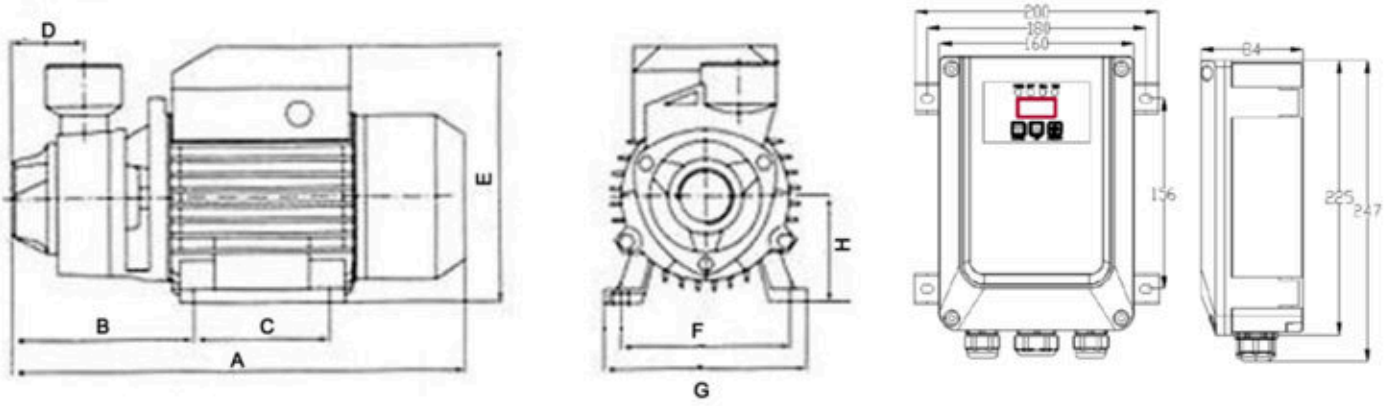
**►MPPT Controller function/MPPT 控制器功能**

- Low-voltage protection
  低压保护
- Over-voltage protection
  高压保护
- Over-current protection
  过流保护
- Dry-protection protection
  缺水自动停机
- Reverse connection protection
  太阳能防反接保护

## ►TECHNICAL DATE/性能参数

| Model/型号 | Impeller | Voltage 电压 | Pump Power 功率 | | Max Flow 最大流量 | Max Head 最大扬程 | Max Suction 最大吸程 | Inlet/Outlet 进出水口 | Solar panel 太阳能板配置 |
|---|---|---|---|---|---|---|---|---|---|
| | | (V) | (W) | (HP) | ($m^3$/h) | (M) | (M) | (mm) | (W) |
| ZQB2.2-25-D24-210 | Brass | 24 | 210 | 0.28 | 2.2 | 25 | 8 | 1"x1" | 330W/36V*1PCS |
| ZQB2.5-35-D24-300 | Brass | 24 | 300 | 0.4 | 2.5 | 35 | 8 | 1"x1" | 400W/36V*1PCS |
| ZQB3.0-50-D48-550 | Brass | 48 | 550 | 0.75 | 3.0 | 50 | 8 | 1"x1" | 400W/36V*2PCS |

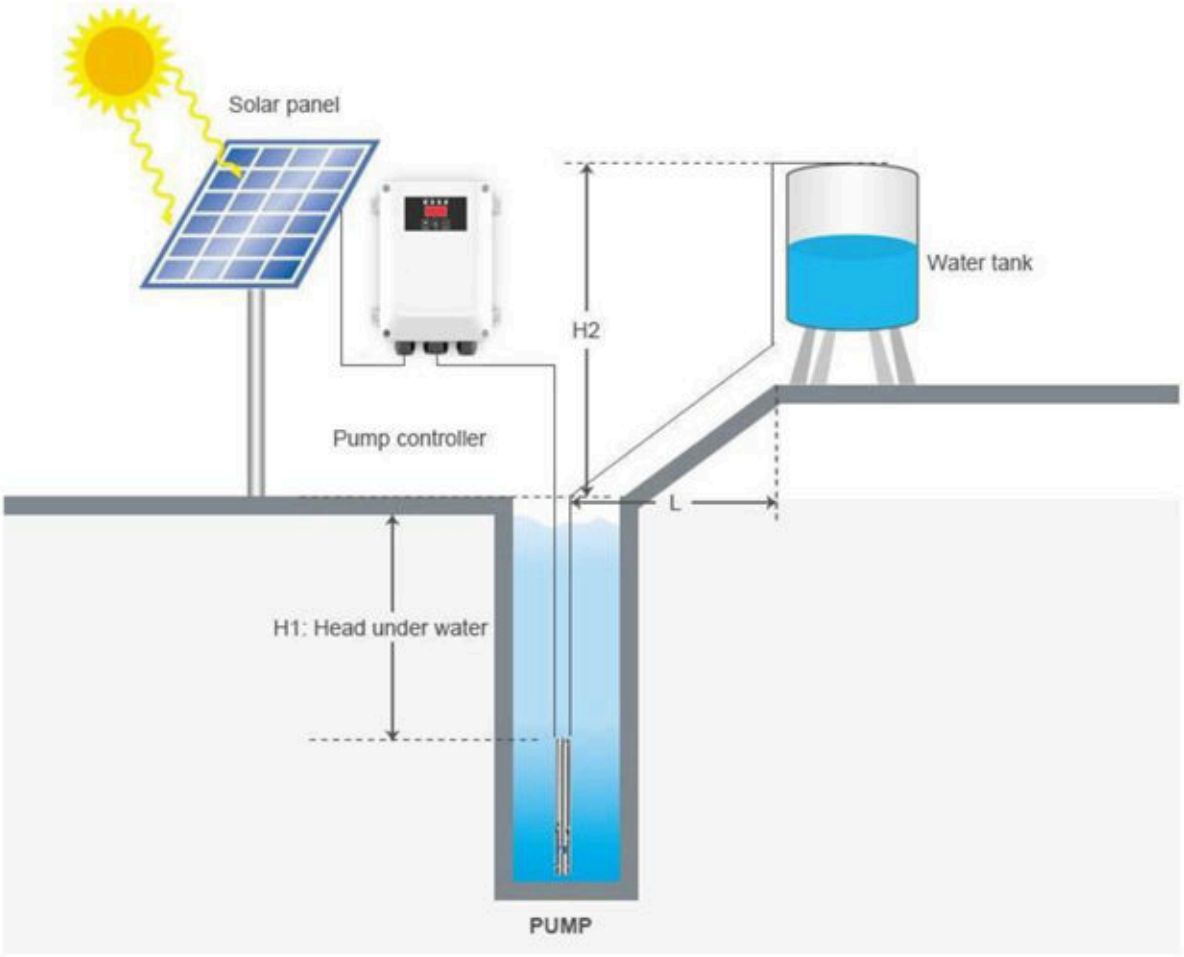
## ►DIMENSIONS AND WEIGHT/安装尺寸




| Model | A | B | C | D | E | F | G | H | Inlet | outlet | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ZQB2.2-25-D24-210 | 262 | 105 | 80 | 40 | 166 | 95 | 120 | 60 | 1" | 1" | 4 |
| ZQB2.5-35-D24-300 | 262 | 105 | 80 | 40 | 166 | 95 | 120 | 60 | 1" | 1" | 5 |
| ZQB3.0-50-D48-550 | 262 | 105 | 80 | 40 | 166 | 95 | 120 | 60 | 1" | 1" | 6 |

# Select Solar Pump & FAQ

## Working Principle Diagram




**Basic date for select a pump**

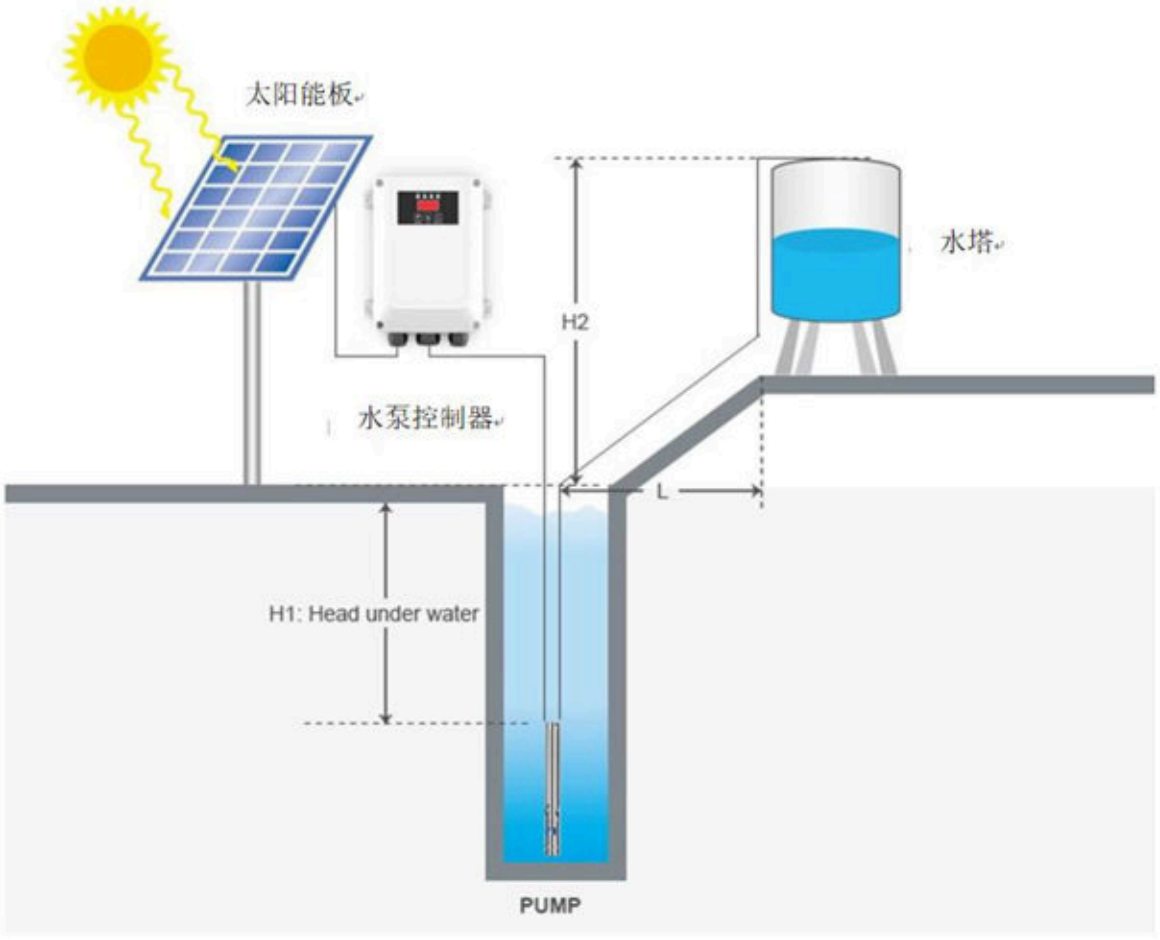
1） Water source: Borehole (Diameter_____mm )
2） Average daily water demand ( _____L/hour or _____L/Day)
3） H1 (Lift from lowest water level to ground):____m
4） H2 (Tank height from the ground) :_____m
5） L (horizontal distance of water well to the tank) :_____m
6） Total head = H1+H2+L*10%

**FAQ:**

**Q: Are you a manufacture or trading company?**
**A: We are a manufacture special for solar Brushless DC pump;**
**Q: Which payment way you accept?**
**A: T/T, Western Union Bank, Alipay, Paypal, L/C ,D/P.**
**Q: What's the MOQ?**
**A: For trail sample order, 1pcs is available.**
**How can I get the solar pumps?**
**A: We can send the pump to customers by express like DHL, Fedex, or send by air and sea.**
**Q: What's your delivery time?**
**A:1) We have stock for most of regular model and the sample can be sent to you within 2-3 days.**
**2) The quantity order can be shipped to you within 10-15 days after order confirmation.**
**Q: What about your product warranty& after sales service?**
**A: Two years warranty for all solar pump.**
**Q: Can you supply completely solar pump system?**
**A: Yes, we can supply whole solar pump system with solar panel, PV box, Panel structure and cable.**

# 太阳能水泵选型

## 太阳能水泵工作示意图




**水泵如何选型？**

1）水源位置：河流，池塘或者水井？如水源为水井（水井直径_____mm）
2）流量要求：（_____立方米/小时 或_____吨/小时 或者_____吨/天）
3）扬程 H1 （水井地表到水泵安装位置垂直距离）:____m
4）扬程 H2 （水井地表到水塔垂直距离）:_____m
5）水平距离 L （水井到水塔的水平距离）:_____m
6）总扬程距离= H1+H2+L*10%

**常见问题：**

**Q: 你们是工厂么？**
**A: 我们是专业生产太阳能无刷直流水泵的工厂；**
**Q: 最少起订量有要求么？**
**A: 样单没有起订量要求，1 台样品也可以发。**
**Q: 水泵如何包装的？**
**A: 双层加厚纸箱包装，也可选纸箱+木箱包装**
**Q: 交货期多长时间？**
**A:1) 常规泵都有现货，2-3 天即可发货；**
**2) 批量订单交货期为 15-20 天；**
**Q: 产品质保如何？**
**A: 水泵质保 2 年，太阳能水泵控制器质保 1 年；**
**Q: 水泵如何安装？安装简易么？**
**A: 1）非常简易，客户可以按照我们的安装视频一步步安装**
**2）同时我公司可以提供太阳能水泵成套配置，包含水泵、太阳能板、光伏支架、汇流箱等；大功率水泵可以提供现场安装服务**