



# SOLAR PUMP



SGS

CE CB



## CTT®

### FEILI PUMP CO.LTD

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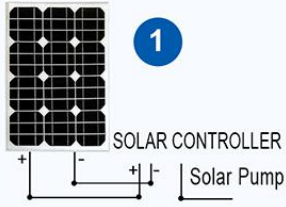
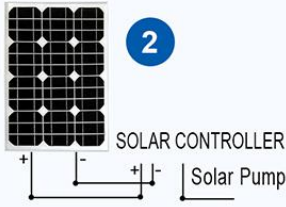
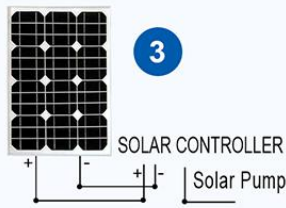
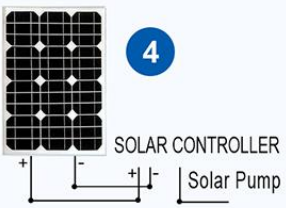
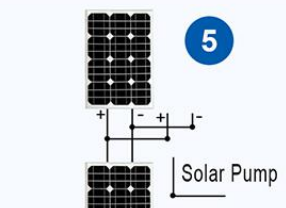
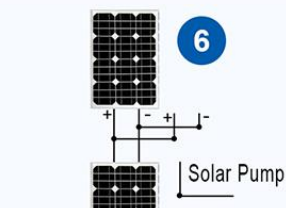
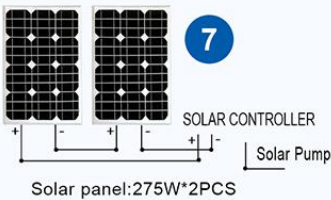
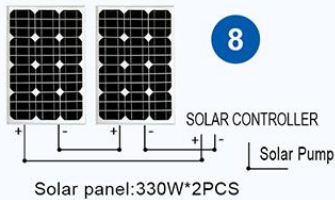
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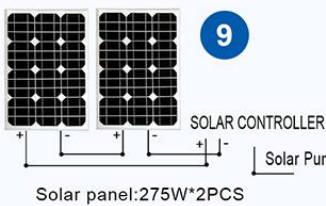
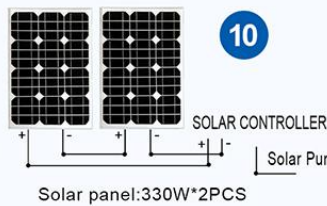
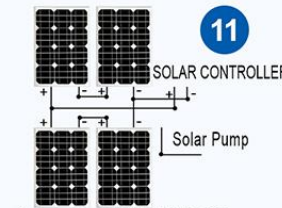
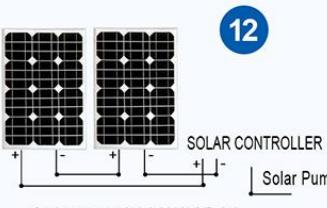
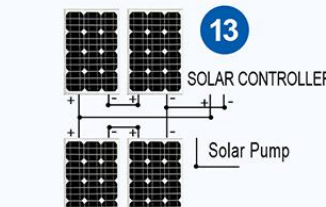
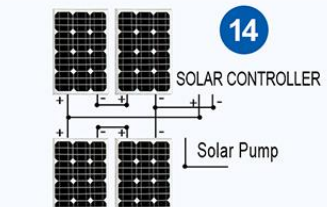
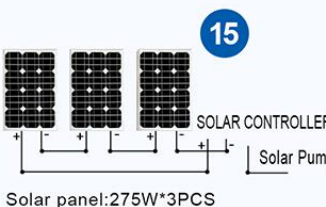
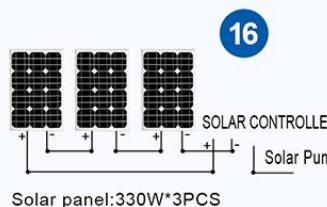
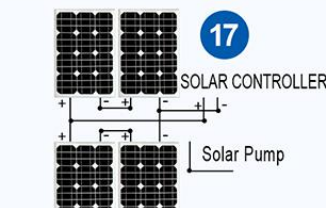
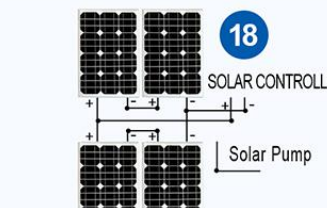


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|                                                                                       |                                                                                                                       |                                                                                                                        |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>POWER</b><br>80W-24V<br><b>VOC:</b><br>26-50V                                      |  <b>1</b><br>Solar panel:275W*1PC    |  <b>2</b><br>Solar panel:330W*1PC    |
| <b>POWER</b><br>140W-24V<br>180W-24V<br>200W-24V<br>210W-24V<br><b>VOC:</b><br>26-50V |  <b>3</b><br>Solar panel:275W*1PC    |  <b>4</b><br>Solar panel:330W*1PC    |
| <b>POWER</b><br>270W-24V<br>300W-24V<br><b>VOC:</b><br>26-50V                         |  <b>5</b><br>Solar panel:275W*2PCS  |  <b>6</b><br>Solar panel:330W*2PCS  |
| <b>POWER</b><br>300W-48V<br><b>VOC:</b><br>50-100V                                    |  <b>7</b><br>Solar panel:275W*2PCS |  <b>8</b><br>Solar panel:330W*2PCS |

|                                                                |                                                                                                                          |                                                                                                                          |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>POWER</b><br>400W-48V<br><b>VOC:</b><br>50-100V             |  <b>9</b><br>Solar panel:275W*2PCS    |  <b>10</b><br>Solar panel:330W*2PCS   |
| <b>POWER</b><br>500W-48V<br>550W-48V<br><b>VOC:</b><br>50-100V |  <b>11</b><br>Solar panel:275W*4PCS   |  <b>12</b><br>Solar panel:330W*2PCS   |
| <b>POWER</b><br>600W-48V<br><b>VOC:</b><br>50-100V             |  <b>13</b><br>Solar panel:275W*4PCS   |  <b>14</b><br>Solar panel:330W*4PCS   |
| <b>POWER</b><br>600W-72V<br><b>VOC:</b><br>76-150V             |  <b>15</b><br>Solar panel:275W*3PCS  |  <b>16</b><br>Solar panel:330W*3PCS  |
| <b>POWER</b><br>750W-48V<br><b>VOC:</b><br>50-100V             |  <b>17</b><br>Solar panel:275W*4PCS |  <b>18</b><br>Solar panel:330W*4PCS |

|                                                  |                                                                                               |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <p>POWER<br/>750W-72V<br/>VOC:<br/>76-150V</p>   | <p><b>19</b></p> <p>Solar panel: 275W*4PCS</p> <p><b>20</b></p> <p>Solar panel: 330W*3PCS</p> |
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|                                                                  |                                                                                               |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <p>POWER<br/>1100W-110V<br/>VOC:<br/>100-200V</p>                | <p><b>27</b></p> <p>Solar panel: 275W*6PCS</p> <p><b>28</b></p> <p>Solar panel: 330W*6PCS</p> |
| <p>POWER<br/>1300W-96V<br/>VOC:<br/>100-200V</p>                 | <p><b>29</b></p> <p>Solar panel: 275W*8PCS</p> <p><b>30</b></p> <p>Solar panel: 330W*6PCS</p> |
| <p>POWER<br/>1200W-110V<br/>1300W-110V<br/>VOC:<br/>100-200V</p> | <p><b>31</b></p> <p>Solar panel: 275W*8PCS</p> <p><b>32</b></p> <p>Solar panel: 330W*6PCS</p> |
| <p>POWER<br/>1500W-96V<br/>VOC:<br/>100-200V</p>                 | <p><b>33</b></p> <p>Solar panel: 275W*8PCS</p> <p><b>34</b></p> <p>Solar panel: 330W*8PCS</p> |
| <p>POWER<br/>1500W-110V<br/>VOC:<br/>100-200V</p>                | <p><b>35</b></p> <p>Solar panel: 275W*8PCS</p> <p><b>36</b></p> <p>Solar panel: 330W*8PCS</p> |





3 Inch 3 Inch(c)



## Free spare parts



## Material of Parts

Pump head: Copper/ SS304

Impeller: SS304

Bearing: NSK brand

Cable: 3m

Oil cooling

Motor: permanent magnetic synchronous

## Advantage of solar water pump

High efficiency because of PMSM

MPPT function

Intelligent water shortage protection

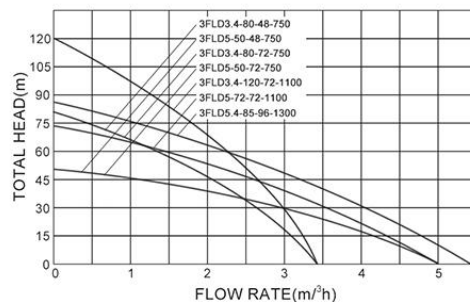
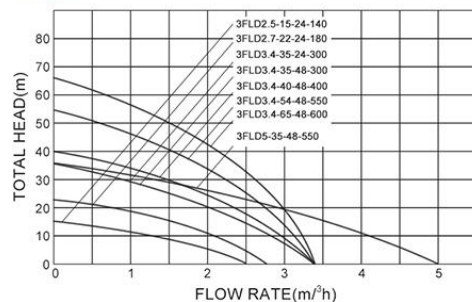
Longer life than normal AC water pump

over-load protection, under-load protection,

lock-rotor protection, thermal protection.



## Curve



## Technical data

| NO. | Model               | Rated/<br>Max Flow<br>(m³/h) | Rated/<br>Max Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) | Solar Panels     |              |
|-----|---------------------|------------------------------|---------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------|
|     |                     |                              |                           | Voltage<br>(V) | Power<br>(W) |                    |                      | VOC range<br>(V) | Power<br>(W) |
| 1   | 3FLD2.5-15-24-140   | 0.5/2.5                      | 9/15                      | DC24           | 140          | 3                  | 1/1.25               | 25-50V           | ≥200         |
| 2   | 3FLD2.7-22-24-180   | 0.8/2.7                      | 15/22                     | DC24           | 180          | 3                  | 1/1.25               | 25-50V           | ≥250         |
| 3   | 3FLD3.4-35-24-300   | 2/3.4                        | 16/35                     | DC24           | 300          | 3                  | 1/1.25               | 25-50V           | ≥500         |
| 4   | 3FLD3.4-35-48-300   | 2/3.4                        | 16/35                     | DC48           | 300          | 3                  | 1/1.25               | 50-100V          | ≥500         |
| 5   | 3FLD3.4-40-48-400   | 1/3.4                        | 30/40                     | DC48           | 400          | 3                  | 1/1.25               | 50-100V          | ≥600         |
| 6   | 3FLD3.4-54-48-550   | 1/3.4                        | 40/54                     | DC48           | 550          | 3                  | 1/1.25               | 50-100V          | ≥800         |
| 7   | 3FLD5-35-48-550     | 2/5                          | 22/35                     | DC48           | 550          | 3                  | 1/1.25               | 50-100V          | ≥800         |
| 8   | 3FLD3.4-65-48-600   | 1/3.4                        | 48/65                     | DC48           | 600          | 3                  | 1/1.25               | 50-100V          | ≥800         |
| 9   | 3FLD3.4-80-48-750   | 1/3.4                        | 60/80                     | DC48           | 750          | 3                  | 1/1.25               | 50-100V          | ≥1000        |
| 10  | 3FLD5-50-48-750     | 3/5                          | 33/50                     | DC48           | 750          | 3                  | 1/1.25               | 50-100V          | ≥1000        |
| 11  | 3FLD3.4-80-72-750   | 1/3.4                        | 60/80                     | DC72           | 750          | 3                  | 1/1.25               | 75-150V          | ≥1080        |
| 12  | 3FLD5-50-72-750     | 3/5                          | 33/50                     | DC72           | 750          | 3                  | 1/1.25               | 75-150V          | ≥1080        |
| 13  | 3FLD3.4-120-72-1100 | 1/3.4                        | 80/120                    | DC72           | 1100         | 3                  | 1/1.25               | 75-150V          | ≥1500        |
| 14  | 3FLD5-72-72-1100    | 3/5                          | 50/72                     | DC72           | 1100         | 3                  | 1/1.25               | 75-150V          | ≥1500        |
| 15  | 3FLD5.4-85-96-1300  | 3/5.4                        | 63/85                     | DC96           | 1300         | 3                  | 1/1.25               | 100-200V         | ≥1720        |

## Free spare parts



## Material of Parts

Pump head: SS304

Pump body: SS201 (SS304 is available)

Impeller: Screw

Bearing: NSK brand

Cable: 3m

Oil cooling

Motor: permanent magnetic synchronous

## Advantage of solar water pump

High efficiency because of PMSM

MPPT function

Longer life than normal AC water pump

Over-load protection, under-load protection,

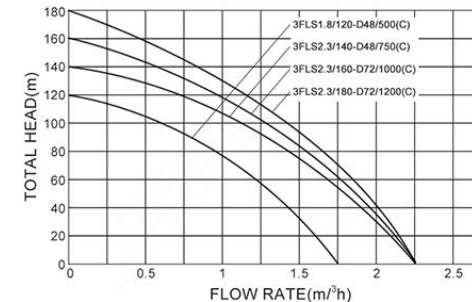
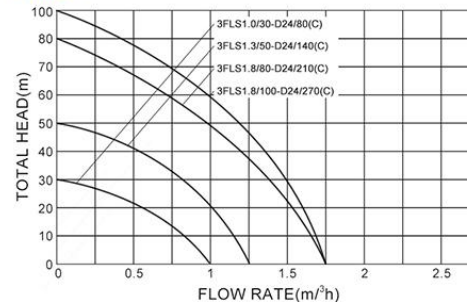
lock-rotor protection, thermal protection.



FLS FLS(c)



## Curve



## Technical data

| NO. | Model                   | Max<br>Flow<br>(m³/h) | Max<br>Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet<br>Dia<br>(inch) | Pump<br>Height<br>(mm) | Solar Panels     |              |
|-----|-------------------------|-----------------------|--------------------|----------------|--------------|--------------------|-------------------------|------------------------|------------------|--------------|
|     |                         |                       |                    | Voltage<br>(V) | Power<br>(W) |                    |                         |                        | VOC range<br>(V) | Power<br>(W) |
| 16  | 3FLS1.0/30-D24/80(C)    | 1                     | 30                 | DC24           | 80           | 3                  | 0.75                    | 420                    | 25-50            | ≥150         |
| 17  | 3FLS1.3/50-D24/140(C)   | 1.3                   | 50                 | DC24           | 140          | 3                  | 0.75                    | 420                    | 25-50            | ≥200         |
| 18  | 3FLS1.8/80-D24/210(C)   | 1.8                   | 80                 | DC24           | 210          | 3                  | 0.75                    | 420                    | 25-50            | ≥300         |
| 19  | 3FLS1.8/100-D24/270(C)  | 1.8                   | 100                | DC24           | 300          | 3                  | 0.75                    | 420                    | 25-50            | ≥500         |
| 20  | 3FLS1.8/120-D48/500(C)  | 1.8                   | 120                | DC48           | 500          | 3                  | 0.75                    | 420                    | 50-100           | ≥800         |
| 21  | 3FLS2.3/140-D48/750(C)  | 2.3                   | 140                | DC48           | 750          | 3                  | 0.75                    | 420                    | 50-100           | ≥1200        |
| 22  | 3FLS2.3/160-D72/1000(C) | 2.3                   | 160                | DC72           | 1000         | 3                  | 0.75                    | 420                    | 75-150           | ≥1500        |
| 23  | 3FLS2.3/180-D72/1200(C) | 2.3                   | 180                | DC72           | 1200         | 3                  | 0.75                    | 420                    | 75-150           | ≥1800        |



4 Inch



## Free spare parts



## Material of Parts

Pump head: sS304

Pump body:ss304

Impeller:SS304

Bearing: NSK brand

Cable:3m

Oil cooling

Motor: permanent magnetic synchronous



## Advantage of solar water pump

High efficiency because of PMSM

MPPT function

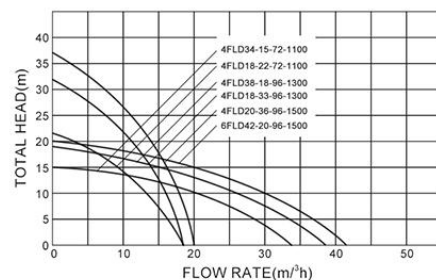
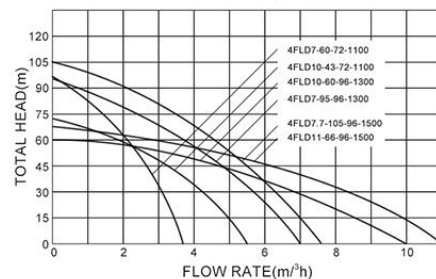
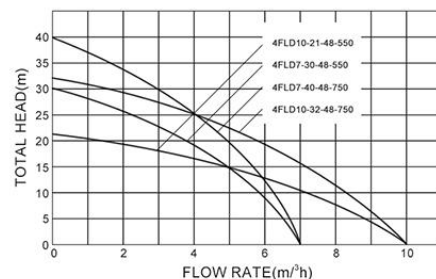
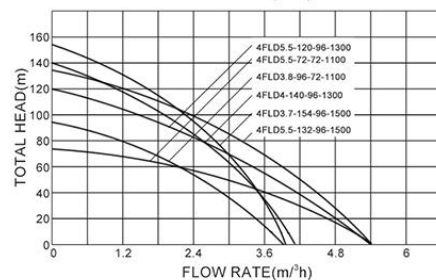
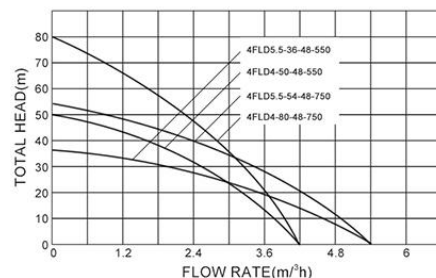
Intelligent water shortage protection

Longer life than normal AC water pump

Over-load protection, under-load protection,

lock-rotorprotection, thermal protection.

## Curve



## Technical data

| NO. | Model               | Rated/<br>Max Flow<br>(m³/h) | Rated/<br>Max Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) | Solar Panels     |              |
|-----|---------------------|------------------------------|---------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------|
|     |                     |                              |                           | Voltage<br>(V) | Power<br>(W) |                    |                      | VOC range<br>(V) | Power<br>(W) |
| 24  | 4FLD4-50-48-550     | 4                            | 50                        | DC48           | 550          | 4                  | 1.25                 | 50-100V          | 800          |
| 25  | 4FLD5 5-36-48-550   | 5.5                          | 36                        | DC48           | 550          | 4                  | 1.25                 | 50-100V          | 800          |
| 26  | 4FLD7-30-48-550     | 7                            | 30                        | DC48           | 550          | 4                  | 1.25                 | 50-100V          | 800          |
| 27  | 4FLD10-21-48-550    | 10                           | 21                        | DC48           | 550          | 4                  | 1.5                  | 50-100V          | 800          |
| 28  | 4FLD4-80-48-750     | 4                            | 80                        | DC48           | 750          | 4                  | 1.25                 | 50-100V          | 1000         |
| 29  | 4FLD5 5-54-48-750   | 5.5                          | 54                        | DC48           | 750          | 4                  | 1.25                 | 50-100V          | 1000         |
| 30  | 4FLD7-40-48-750     | 7                            | 40                        | DC48           | 750          | 4                  | 1.25                 | 50-100V          | 1000         |
| 31  | 4FLD10-32-48-750    | 10                           | 32                        | DC48           | 750          | 4                  | 1.5                  | 50-100V          | 1000         |
| 32  | 4FLD3 8-96-72-1100  | 3.8                          | 96                        | DC72           | 1100         | 4                  | 1.25                 | 75-150V          | 1500         |
| 33  | 4FLD5 5-72-72-1100  | 5.5                          | 72                        | DC72           | 1100         | 4                  | 1.25                 | 75-150V          | 1500         |
| 34  | 4FLD7-60-72-1100    | 7                            | 60                        | DC72           | 1100         | 4                  | 1.25                 | 75-150V          | 1500         |
| 35  | 4FLD10-43-72-1100   | 10                           | 43                        | DC72           | 1100         | 4                  | 1.5                  | 75-150V          | 1500         |
| 36  | 4FLD18-22-72-1100   | 18                           | 22                        | DC72           | 1100         | 4                  | 2                    | 75-150V          | 1500         |
| 37  | 4FLD34-15-72-1100   | 34                           | 15                        | DC72           | 1100         | 4                  | 3                    | 75-150V          | 1500         |
| 38  | 4FLD4-140-96-1300   | 4                            | 140                       | DC96           | 1300         | 4                  | 1.25                 | 100-200V         | 1720         |
| 39  | 4FLD5 5-120-96-1300 | 5.5                          | 120                       | DC96           | 1300         | 4                  | 1.25                 | 100-200V         | 1720         |
| 40  | 4FLD7-95-96-1300    | 7                            | 95                        | DC96           | 1300         | 4                  | 1.25                 | 100-200V         | 1720         |
| 41  | 4FLD10-60-96-1300   | 10                           | 60                        | DC96           | 1300         | 4                  | 1.5                  | 100-200V         | 1720         |
| 42  | 4FLD18-33-96-1300   | 18                           | 33                        | DC96           | 1300         | 4                  | 2                    | 100-200V         | 1720         |
| 43  | 4FLD38-18-96-1300   | 38                           | 18                        | DC96           | 1300         | 4                  | 3                    | 100-200V         | 1720         |
| 44  | 4FLD3 7-154-96-1500 | 3.7                          | 154                       | DC96           | 1500         | 4                  | 1.25                 | 100-200V         | 2250         |
| 45  | 4FLD5 5-132-96-1500 | 5.5                          | 132                       | DC96           | 1500         | 4                  | 1.25                 | 100-200V         | 2250         |
| 46  | 4FLD7 7-105-96-1500 | 7.7                          | 105                       | DC96           | 1500         | 4                  | 1.25                 | 100-200V         | 2250         |
| 47  | 4FLD11-66-96-1500   | 11                           | 66                        | DC96           | 1500         | 4                  | 1.5                  | 100-200V         | 2250         |
| 48  | 4FLD20-36-96-1500   | 20                           | 36                        | DC96           | 1500         | 4                  | 2                    | 100-200V         | 2250         |
| 49  | 6FLD42-20-96-1500   | 42                           | 20                        | DC96           | 1500         | 6                  | 3                    | 100-200V         | 2250         |





### Free spare parts



### Material of Parts

Pump head: SS304/Copper

Pump body: SS201

Impeller: Plastic

Bearing: NSK brand

Cable: 3m

Oil cooling

Motor: permanent magnetic synchronous

### Advantage of solar water pump

High efficiency because of PMSM

MPPT function

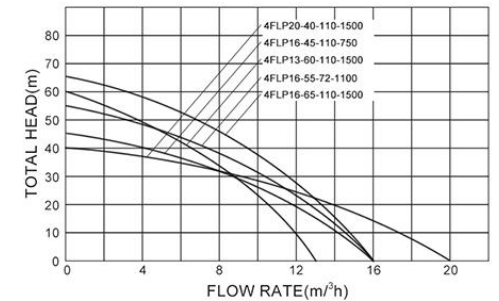
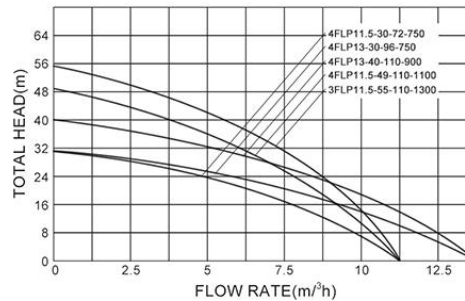
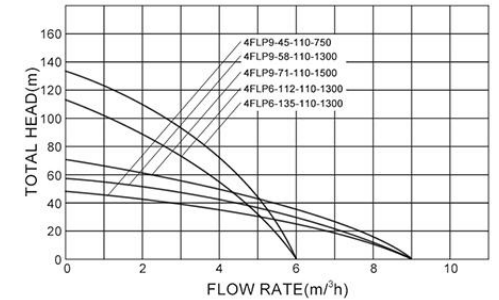
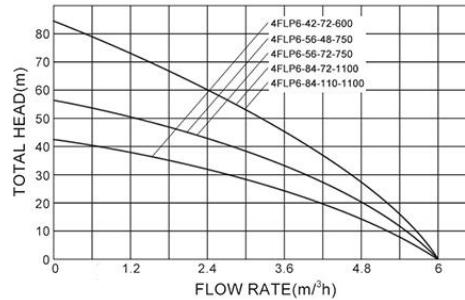
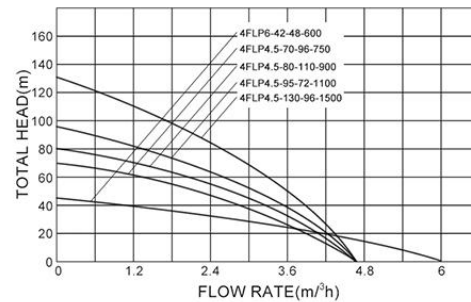
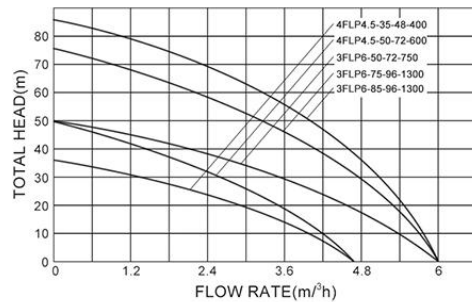
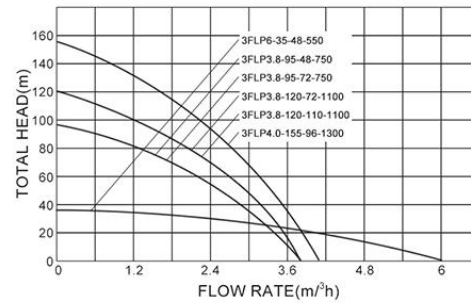
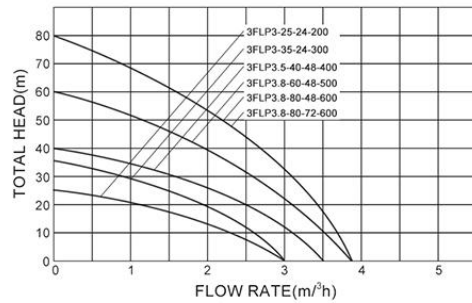
Intelligent water shortage protection

Longer life than normal AC water pump

Over-load protection, under-load protection,

lock-rotor protection, thermal protection.

### Curve



### Technical data

| NO. | Model                | Max Flow (m³/h) | Head (m) | Voltage (V) | Power (W) | Solar Panels  |           | Pump Dia (inch) | Outlet Dia (inch) |
|-----|----------------------|-----------------|----------|-------------|-----------|---------------|-----------|-----------------|-------------------|
|     |                      |                 |          |             |           | VOC range (V) | Power (W) |                 |                   |
| 50  | 3FLP3-25-24-200      | 3               | 25       | 24          | 200       | 25-50         | ≥300      | 3               | 1.25              |
| 51  | 3FLP3-35-24-300      | 3               | 35       | 24          | 300       | 25-50         | ≥500      | 3               | 1.25              |
| 52  | 3FLP3-5-40-48-400    | 3.5             | 40       | 48          | 400       | 50-100        | ≥800      | 3               | 1.25              |
| 53  | 3FLP3-8-60-48-500    | 3.8             | 60       | 48          | 500       | 50-100        | ≥700      | 3               | 1.25              |
| 54  | 3FLP3-8-80-48-600    | 3.8             | 80       | 48          | 600       | 50-100        | ≥800      | 3               | 1.25              |
| 55  | 3FLP3-8-80-72-600    | 3.8             | 80       | 72          | 600       | 75-150        | ≥800      | 3               | 1.25              |
| 56  | 3FLP3-8-95-48-750    | 3.8             | 95       | 48          | 750       | 50-100        | ≥1000     | 3               | 1.25              |
| 57  | 3FLP3-8-95-72-750    | 3.8             | 95       | 72          | 750       | 75-150        | ≥1000     | 3               | 1.25              |
| 58  | 3FLP3-8-120-72-1100  | 3.8             | 120      | 72          | 1100      | 75-150        | ≥1500     | 3               | 1.25              |
| 59  | 3FLP3-8-120-110-1100 | 3.8             | 120      | 110         | 1100      | 100-200       | ≥1500     | 3               | 1.25              |
| 60  | 3FLP4-0-155-96-1300  | 4.0             | 155      | 96          | 1300      | 100-200       | ≥1700     | 3               | 1.25              |
| 61  | 3FLP6-35-48-550      | 6               | 35       | 48          | 550       | 50-100        | ≥700      | 3               | 1.25              |
| 62  | 3FLP6-50-72-750      | 6               | 50       | 72          | 750       | 75-150        | ≥1000     | 3               | 1.5               |
| 63  | 3FLP6-75-96-1100     | 6               | 75       | 96          | 1100      | 100-200       | ≥1500     | 3               | 1.5               |
| 64  | 3FLP6-85-96-1300     | 6               | 85       | 96          | 1300      | 100-200       | ≥1700     | 3               | 1.5               |

## Technical data

| NO. | Model                | Max Flow<br>(m³/h) | Head<br>(m) | Voltage<br>(V) | Power<br>(W) | Solar Panels     |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) |
|-----|----------------------|--------------------|-------------|----------------|--------------|------------------|--------------|--------------------|----------------------|
|     |                      |                    |             |                |              | VOC range<br>(V) | Power<br>(W) |                    |                      |
| 65  | 4FLP4.5-35-48-400    | 4.5                | 35          | 48             | 400          | 50-100           | ≥600         | 4                  | 1.25                 |
| 66  | 4FLP4.5-50-72-600    | 4.5                | 50          | 72             | 600          | 75-150           | ≥800         | 4                  | 1.25                 |
| 67  | 4FLP4.5-70-96-750    | 4.5                | 70          | 96             | 750          | 100-200          | ≥1000        | 4                  | 1.25                 |
| 68  | 4FLP4.5-80-110-900   | 4.5                | 80          | 110            | 900          | 100-200          | ≥1200        | 4                  | 1.25                 |
| 69  | 4FLP4.5-95-72-1100   | 4.5                | 95          | 72             | 1100         | 75-150           | ≥1500        | 4                  | 1.25                 |
| 70  | 4FLP4.5-130-96-1500  | 4.5                | 130         | 96             | 1500         | 100-200          | ≥2000        | 4                  | 1.25                 |
| 71  | 4FLP6-42-48-600      | 6                  | 42          | 48             | 600          | 50-100           | ≥800         | 4                  | 1.25                 |
| 72  | 4FLP6-42-72-600      | 6                  | 42          | 72             | 600          | 75-150           | ≥800         | 4                  | 1.25                 |
| 73  | 4FLP6-56-48-750      | 6                  | 56          | 48             | 750          | 50-100           | ≥1000        | 4                  | 1.25                 |
| 74  | 4FLP6-56-72-750      | 6                  | 56          | 72             | 750          | 75-150           | ≥1000        | 4                  | 1.25                 |
| 75  | 4FLP6-84-72-1100     | 6                  | 84          | 72             | 1100         | 75-150           | ≥1500        | 4                  | 1.25                 |
| 76  | 4FLP6-84-110-1100    | 6                  | 84          | 110            | 1100         | 100-200          | ≥1500        | 4                  | 1.25                 |
| 77  | 4FLP6-112-110-1300   | 6                  | 112         | 110            | 1300         | 100-200          | ≥1700        | 4                  | 1.25                 |
| 78  | 4FLP6-135-110-1500   | 6                  | 135         | 110            | 1500         | 100-200          | ≥2000        | 4                  | 1.25                 |
| 79  | 4FLP9-45-110-750     | 9                  | 45          | 110            | 750          | 100-200          | ≥1000        | 4                  | 2                    |
| 80  | 4FLP9-58-110-1300    | 9                  | 58          | 110            | 1300         | 100-200          | ≥1700        | 4                  | 2                    |
| 81  | 4FLP9-71-110-1500    | 9                  | 71          | 110            | 1500         | 100-200          | ≥2000        | 4                  | 2                    |
| 82  | 4FLP11.5-30-72-750   | 11.5               | 30          | 72             | 750          | 75-150           | ≥1000        | 4                  | 2                    |
| 83  | 4FLP11.5-49-110-1100 | 11.5               | 49          | 110            | 1100         | 100-200          | ≥1500        | 4                  | 2                    |
| 84  | 4FLP11.5-55-110-1300 | 11.5               | 55          | 110            | 1300         | 100-200          | ≥1700        | 4                  | 2                    |
| 85  | 4FLP13-30-96-750     | 13                 | 30          | 96             | 750          | 100-200          | ≥1000        | 4                  | 2                    |
| 86  | 4FLP13-40-110-900    | 13                 | 40          | 110            | 900          | 100-200          | ≥1200        | 4                  | 2                    |
| 87  | 4FLP13-60-110-1500   | 13                 | 60          | 110            | 1500         | 100-200          | ≥2000        | 4                  | 2                    |
| 88  | 4FLP16-45-110-750    | 16                 | 45          | 110            | 750          | 100-200          | ≥1000        | 4                  | 2                    |
| 89  | 4FLP16-55-72-1100    | 16                 | 55          | 72             | 1100         | 75-150           | ≥1500        | 4                  | 2                    |
| 90  | 4FLP16-65-110-1500   | 16                 | 65          | 110            | 1500         | 100-200          | ≥2000        | 4                  | 2                    |
| 91  | 4FLP20-40-110-1500   | 20                 | 40          | 110            | 1500         | 100-200          | ≥2000        | 4                  | 2                    |



3 Inch    3 Inch(c)    4 Inch



## Free spare parts



## Advantage of solar water pump

High efficiency because of PMSM

MPPT function

Intelligent water shortage protection

Longer life than normal AC water pump

over-load protection, under-load protection,

lock-rotor protection, thermal protection.

## Technical data

| NO. | Model          | Rated/<br>Max Flow<br>(m³/h) | Rated/<br>Max Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) | Solar Panels     |              |
|-----|----------------|------------------------------|---------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------|
|     |                |                              |                           | Voltage<br>(V) | Power<br>(W) |                    |                      | VOC range<br>(V) | Power<br>(W) |
| 92  | 3FLA2-50-0.75  | 2/4                          | 50/85                     | AC110/DC150    | 0.75         | 4                  | 1.25                 | 150-220V         | 1.0          |
| 93  | 4FLA2-55-0.75  | 2/3.8                        | 55/90                     | AC110/DC150    | 0.75         | 4                  | 1.25                 | 150-220V         | 1.0          |
| 94  | 4FLA3-40-0.75  | 3/5.5                        | 40/70                     | AC110/DC150    | 0.75         | 4                  | 1.25                 | 150-220V         | 1.0          |
| 95  | 4FLA4-30-0.75  | 4/7                          | 30/50                     | AC110/DC150    | 0.75         | 4                  | 1.5                  | 150-220V         | 1.0          |
| 96  | 4FLA7-23-0.75  | 7/10                         | 23/34                     | AC110/DC150    | 0.75         | 4                  | 1                    | 150-220V         | 1.0          |
| 97  | 3FLA2-70-1.1   | 2/4                          | 70/120                    | AC110/DC300    | 1.1          | 4                  | 1.25                 | 150-220V         | 1.6          |
| 98  | 4FLA2-80-1.1   | 2/3.8                        | 80/125                    | AC110/DC300    | 1.1          | 4                  | 1.25                 | 150-220V         | 1.6          |
| 99  | 4FLA3-65-1.1   | 3/5.5                        | 65/110                    | AC110/DC300    | 1.1          | 4                  | 1.25                 | 150-220V         | 1.6          |
| 100 | 4FLA4-55-1.1   | 4/7                          | 55/95                     | AC110/DC300    | 1.1          | 4                  | 1.5                  | 150-220V         | 1.6          |
| 101 | 4FLA7-32-1.1   | 7/10                         | 32/45                     | AC110/DC300    | 1.1          | 4                  | 2                    | 150-220V         | 1.6          |
| 102 | 4FLA10-20-1.1  | 10/18                        | 20/33                     | AC110/DC300    | 1.1          | 4                  | 1                    | 150-220V         | 1.6          |
| 103 | 3FLA2-110-1.5  | 2/4                          | 110/150                   | AC220/DC300    | 1.5          | 4                  | 1.25                 | 360-450V         | 2.1          |
| 104 | 4FLA2-115-1.5  | 2/3.8                        | 115/160                   | AC220/DC300    | 1.5          | 4                  | 1.25                 | 360-450V         | 2.1          |
| 105 | 4FLA3-90-1.5   | 3/5.5                        | 90/145                    | AC220/DC300    | 1.5          | 4                  | 1.25                 | 360-450V         | 2.1          |
| 106 | 4FLA4-70-1.5   | 4/7                          | 70/80                     | AC220/DC300    | 1.5          | 4                  | 1.5                  | 360-450V         | 2.1          |
| 107 | 4FLA7-40-1.5   | 7/10                         | 40/60                     | AC220/DC300    | 1.5          | 4                  | 2                    | 360-450V         | 2.1          |
| 108 | 4FLA10-28-1.5  | 10/18                        | 28/40                     | AC220/DC300    | 1.5          | 4                  | 1.25                 | 360-450V         | 2.1          |
| 109 | 4FLA2-180-2.2  | 2/3.8                        | 180/250                   | AC380/DC540    | 2.2          | 4                  | 1.25                 | 660-800V         | 3.1          |
| 110 | 4FLA3-150-2.2  | 3/5.5                        | 150/235                   | AC380/DC540    | 2.2          | 4                  | 1.25                 | 660-800V         | 3.1          |
| 111 | 4FLA4-100-2.2  | 4/7                          | 100/140                   | AC380/DC540    | 2.2          | 4                  | 1.5                  | 660-800V         | 3.1          |
| 112 | 4FLA7-60-2.2   | 7/10                         | 60/80                     | AC380/DC540    | 2.2          | 4                  | 2"                   | 660-800V         | 3.1          |
| 113 | 4FLA10-40-2.2  | 10/18                        | 40/60                     | AC380/DC540    | 2.2          | 4                  | 2"                   | 660-800V         | 3.1          |
| 114 | 4FLA3-180-3    | 3/5.5                        | 180/280                   | AC380/DC540    | 3            | 4                  | 1.25"                | 660-800V         | 4.2          |
| 115 | 4FLA4-140-3    | 4/7                          | 140/160                   | AC380/DC540    | 3            | 4                  | 1.5"                 | 660-800V         | 4.2          |
| 116 | 4FLA7-80-3     | 7/10                         | 80/120                    | AC380/DC540    | 3            | 4                  | 2"                   | 660-800V         | 4.2          |
| 117 | 4FLA10-55-3    | 10/18                        | 55/80                     | AC380/DC540    | 3            | 4                  | 1.25"                | 660-800V         | 4.2          |
| 118 | 4FLA4-180-4    | 4/7                          | 180/240                   | AC380/DC540    | 4            | 4                  | 1.5"                 | 660-800V         | 5.6          |
| 119 | 4FLA7-115-4    | 7/10                         | 115/150                   | AC380/DC540    | 4            | 4                  | 2"                   | 660-800V         | 5.6          |
| 120 | 4FLA10-75-4    | 10/18                        | 75/105                    | AC380/DC540    | 4            | 4                  | 1.25"                | 660-800V         | 5.6          |
| 121 | 4FLA7-150-5.5  | 7/10                         | 150/220                   | AC380/DC540    | 5.5          | 4                  | 2"                   | 660-800V         | 8.25         |
| 122 | 4FLA10-100-5.5 | 10/18                        | 100/130                   | AC380/DC540    | 5.5          | 4                  | 1.25                 | 660-800V         | 8.25         |
| 123 | 4FLA7-200-7.5  | 7/10                         | 200/250                   | AC380/DC540    | 7.5          | 4                  | 2                    | 660-800V         | 10.5         |
| 124 | 4FLA10-145-7.5 | 10/18                        | 145/180                   | AC380/DC540    | 7.5          | 4                  | 2                    | 660-800V         | 10.5         |
| 125 | 4FLA20-80-7.5  | 20/30                        | 80/110                    | AC380/DC540    | 7.5          | 4                  | 2                    | 660-800V         | 10.5         |





## Free spare parts



## Technical data

| NO. | Model         | Rated/<br>Max Flow<br>(m³/h) | Rated/<br>Max Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) | Solar Panels     |              |
|-----|---------------|------------------------------|---------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------|
|     |               |                              |                           | Voltage<br>(V) | Power<br>(W) |                    |                      | VOC range<br>(V) | Power<br>(W) |
| 126 | 6FLA25-10-1.1 | 25/38                        | 10/18                     | AC220/DC300    | 1.1          | 6                  | 3                    | 330-450V         | 1.6          |
| 127 | 6FLA25-14-1.5 | 25/38                        | 14/20                     | AC220/DC300    | 1.5          | 6                  | 3                    | 330-450V         | 2.1          |
| 128 | 6FLA25-20-2.2 | 25/35                        | 20/30                     | AC380/DC540    | 2.2          | 6                  | 3                    | 660-800V         | 3.1          |
| 129 | 6FLA45-10-2.2 | 45/65                        | 10/18                     | AC380/DC540    | 2.2          | 6                  | 3                    | 660-800V         | 3.1          |
| 130 | 6FLA25-30-3   | 25/40                        | 30/45                     | AC380/DC540    | 3            | 6                  | 3                    | 660-800V         | 4.2          |
| 131 | 6FLA60-14-3   | 60/85                        | 14/22                     | AC380/DC540    | 3            | 6                  | 3                    | 660-800V         | 4.2          |
| 132 | 6FLA25-40-4   | 25/33                        | 40/60                     | AC380/DC540    | 4            | 4                  | 3                    | 660-800V         | 5.6          |
| 133 | 6FLA40-18-4   | 40/62                        | 18/32                     | AC380/DC540    | 4            | 6                  | 3                    | 660-800V         | 5.6          |
| 134 | 6FLA80-15-4   | 80/95                        | 15/22                     | AC380/DC540    | 4            | 6                  | 3                    | 660-800V         | 5.6          |
| 135 | 6FLA25-50-5.5 | 25/35                        | 50/75                     | AC380/DC540    | 5.5          | 6                  | 3                    | 660-800V         | 8.25         |
| 136 | 6FLA45-30-5.5 | 45/60                        | 30/45                     | AC380/DC540    | 5.5          | 6                  | 3                    | 660-800V         | 8.25         |
| 137 | 6FLA60-25-5.5 | 60/80                        | 25/38                     | AC380/DC540    | 5.5          | 6                  | 3                    | 660-800V         | 8.25         |
| 138 | 6FLA25-75-7.5 | 25                           | 75                        | AC380/DC540    | 7.5          | 7.5                | 3                    | 660-800V         | 10.5         |
| 139 | 6FLA45-44-7.5 | 45                           | 44                        | AC380/DC540    | 7.5          | 7.5                | 3                    | 660-800V         | 10.5         |
| 140 | 6FLA60-34-7.5 | 60                           | 34                        | AC380/DC540    | 7.5          | 7.5                | 3                    | 660-800V         | 10.5         |

| NO. | Model           | Rated/<br>Max Flow<br>(m³/h) | Rated/<br>Max Head<br>(m) | Pump           |              | Pump Dia<br>(inch) | Outlet Dia<br>(inch) | Solar Panels     |              |
|-----|-----------------|------------------------------|---------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------|
|     |                 |                              |                           | Voltage<br>(V) | Power<br>(W) |                    |                      | VOC range<br>(V) | Power<br>(W) |
| 141 | 6FLA18-90-7.5   | 18/30                        | 90/120                    | AC380/DC540    | 7.5          | 6"                 | 3"                   | 660-800V         | 10.5         |
| 142 | 6FLA30-60-7.5   | 30/53                        | 60/78                     | AC380/DC540    | 7.5          | 6"                 | 3"                   | 660-800V         | 10.5         |
| 143 | 6FLA45-44-7.5   | 45/75                        | 44/65                     | AC380/DC540    | 7.5          | 6"                 | 3"                   | 660-800V         | 10.5         |
| 144 | 6FLA60-32-7.5   | 60/80                        | 32/55                     | AC380/DC540    | 7.5          | 6"                 | 3"                   | 660-800V         | 10.5         |
| 145 | 6FLA18-115-9    | 18/30                        | 115/155                   | AC380/DC540    | 9            | 6"                 | 3"                   | 660-800V         | 12.6         |
| 146 | 6FLA30-80-9     | 30/53                        | 80/100                    | AC380/DC540    | 9            | 6"                 | 3"                   | 660-800V         | 12.6         |
| 147 | 6FLA45-52-9     | 45/75                        | 52/80                     | AC380/DC540    | 9            | 6"                 | 3"                   | 660-800V         | 12.6         |
| 148 | 6FLA60-40-9     | 60/80                        | 40/68                     | AC380/DC540    | 9            | 6"                 | 3"                   | 660-800V         | 12.6         |
| 149 | 6FLA18-140-11   | 18/30                        | 140/190                   | AC380/DC540    | 11           | 6"                 | 3"                   | 660-800V         | 15.75        |
| 150 | 6FLA30-100-11   | 30/53                        | 100/135                   | AC380/DC540    | 11           | 6"                 | 3"                   | 660-800V         | 15.75        |
| 151 | 6FLA45-62-11    | 45/75                        | 62/95                     | AC380/DC540    | 11           | 6"                 | 3"                   | 660-800V         | 15.75        |
| 152 | 6FLA60-48-11    | 60/80                        | 48/80                     | AC380/DC540    | 11           | 6"                 | 3"                   | 660-800V         | 15.75        |
| 153 | 6FLA18-190-15   | 18/30                        | 190/245                   | AC380/DC540    | 15           | 6"                 | 3"                   | 660-800V         | 21           |
| 154 | 6FLA30-120-15   | 30/53                        | 120/160                   | AC380/DC540    | 15           | 6"                 | 3"                   | 660-800V         | 21           |
| 155 | 6FLA45-88-15    | 45/75                        | 88/130                    | AC380/DC540    | 15           | 6"                 | 3"                   | 660-800V         | 21           |
| 156 | 6FLA60-64-15    | 60/80                        | 64/110                    | AC380/DC540    | 15           | 6"                 | 3"                   | 660-800V         | 21           |
| 157 | 6FLA18-240-18.5 | 18/30                        | 240/310                   | AC380/DC540    | 18.5         | 6"                 | 3"                   | 660-800V         | 26           |
| 158 | 6FLA30-135-18.5 | 30/50                        | 135/180                   | AC380/DC540    | 18.5         | 6"                 | 3"                   | 660-800V         | 26           |
| 159 | 6FLA45-105-18.5 | 45/75                        | 105/155                   | AC380/DC540    | 18.5         | 6"                 | 3"                   | 660-800V         | 26           |
| 160 | 6FLA60-72-18.5  | 60/80                        | 72/125                    | AC380/DC540    | 18.5         | 6"                 | 3"                   | 660-800V         | 26           |
| 161 | 6FLA80-65-18.5  | 80/120                       | 78/120                    | AC380/DC540    | 18.5         | 6"                 | 3"                   | 660-800V         | 26           |
| 162 | 6FLA30-170-22   | 30/53                        | 170/210                   | AC380/DC540    | 22           | 6"                 | 3"                   | 660-800V         | 31.55        |
| 163 | 6FLA45-132-22   | 45/75                        | 132/195                   | AC380/DC540    | 22           | 6"                 | 3"                   | 660-800V         | 31.55        |
| 164 | 6FLA60-95-22    | 60/80                        | 95/160                    | AC380/DC540    | 22           | 6"                 | 3"                   | 660-800V         | 31.55        |
| 165 | 6FLA30-240-30   | 35/53                        | 240/300                   | AC380/DC540    | 30           | 6"                 | 3"                   | 660-800V         | 42           |
| 166 | 6FLA45-170-30   | 45/75                        | 170/245                   | AC380/DC540    | 30           | 6"                 | 3"                   | 660-800V         | 42           |
| 167 | 6FLA60-128-30   | 60/80                        | 128/220                   | AC380/DC540    | 30           | 6"                 | 3"                   | 660-800V         | 42           |
| 168 | 6FLA80-100-30   | 80/120                       | 100/150                   | AC380/DC540    | 30           | 6"                 | 5"                   | 660-800V         | 42           |
| 169 | 8FLA80-26-7.5   | 80/120                       | 26/40                     | AC380/DC540    | 7.5          | 8"                 | 5"                   | 660-800V         | 10.5         |
| 170 | 8FLA95-23-9     | 95/140                       | 23/41                     | AC380/DC540    | 9            | 8"                 | 5"                   | 660-800V         | 12.6         |
| 171 | 8FLA80-39-11    | 80/120                       | 39/60                     | AC380/DC540    | 11           | 8"                 | 5"                   | 660-800V         | 15.75        |
| 172 | 8FLA80-52-15    | 80/120                       | 52/80                     | AC380/DC540    | 15           | 8"                 | 5"                   | 660-800V         | 21           |
| 173 | 8FLA80-65-18.5  | 80/120                       | 65/100                    | AC380/DC540    | 18.5         | 8"                 | 3"                   | 660-800V         | 26           |
| 174 | 8FLA80-78-22    | 80/120                       | 78/120                    | AC380/DC540    | 22           | 8"                 | 5"                   | 660-800V         | 31.55        |
| 175 | 8FLA95-58-22    | 95/140                       | 58/100                    | AC380/DC540    | 22           | 8"                 | 5"                   | 660-800V         | 31.55        |
| 176 | 8FLA95-84-30    | 95/140                       | 84/160                    | AC380/DC540    | 30           | 8"                 | 5"                   | 660-800V         | 42           |
| 177 | 10FLA125-20-11  | 125/200                      | 20/30                     | AC380/DC540    | 11           | 10"                | 6"                   | 660-800V         | 15.75        |
| 178 | 10FLA125-40-22  | 125/200                      | 40/60                     | AC380/DC540    | 22           | 10"                | 6"                   | 660-800V         | 31.55        |
| 179 | 10FLA125-60-30  | 125/200                      | 60/85                     | AC380/DC540    | 30           | 10"                | 6"                   | 660-800V         | 42           |



### Free spare parts



### Material of Parts

Outlet: Stainless Steel/cast iron

Bearing: NSK

Pump body: Stainless Steel/Cast iron

Screw: Stainless Steel

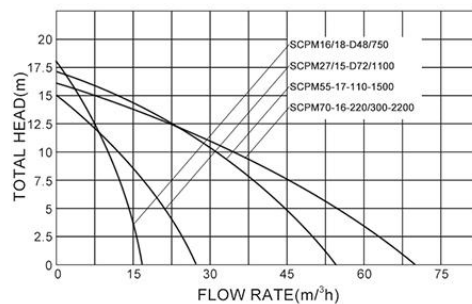
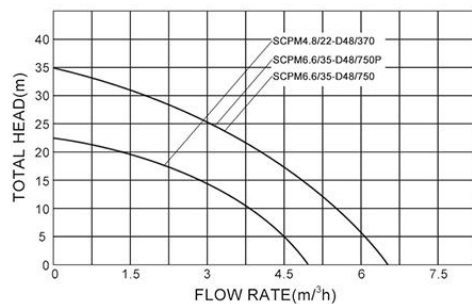
Impeller: Stainless Steel/Brass

Motor: Brushless DC motor

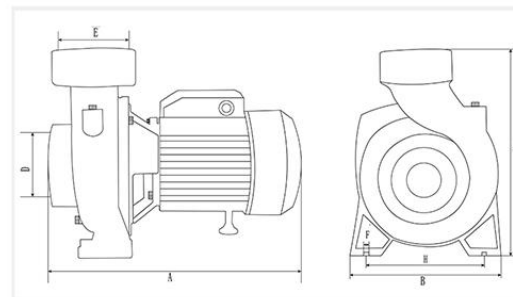
Motor Body: Die-cast Aluminum

Controller shell: Die-cast Aluminum (IP67)

### Curve

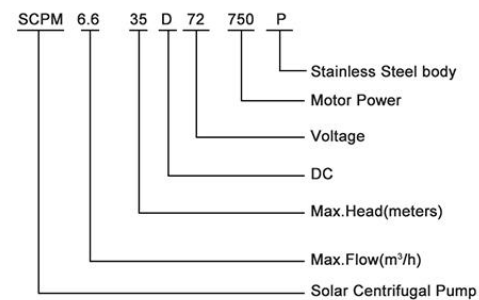


### Pump size chart



| Model               | A<br>mm | B<br>mm | C<br>mm | D<br>inch | E<br>inch | F<br>mm | H<br>mm |
|---------------------|---------|---------|---------|-----------|-----------|---------|---------|
| SCPM6.6/35-D48/750P | 305     | 210     | 225     | 1.25      | 1         | 10      | 120     |
| SCPM4.8/22-D48/370  | 265     | 165     | 215     | 1         | 1         | 11      | 127     |
| SCPM6.6/35-D48/750  | 305     | 190     | 235     | 1         | 1         | 9       | 160     |
| SCPM16/18-D48/750   | 310     | 185     | 235     | 1.5       | 1.5       | 9       | 155     |
| SCPM27/15-D72/1100  | 315     | 185     | 235     | 2         | 2         | 9       | 155     |
| SCPM55-17-D110-1500 | 395     | 245     | 310     | 3         | 3         | 13      | 190     |

### Model Explanation



### Pump Performancee

| NO. | Model                  | Pump           |              | Solar Panels     |              | Max Flow<br>(m³/h) | Max Head<br>(m) | inlet/outlet Dia<br>(inch) |
|-----|------------------------|----------------|--------------|------------------|--------------|--------------------|-----------------|----------------------------|
|     |                        | Voltage<br>(V) | Power<br>(W) | VOC range<br>(V) | Power<br>(W) |                    |                 |                            |
| 180 | SCPM6.6/35-D48/750P    | 48             | 750          | 50-100           | 1000-1250    | 6.6                | 35              | 1.25×1                     |
| 181 | SCPM4.8/22-D48/370     | 48             | 370          | 50-100           | 500-600      | 4.8                | 22              | 1×1                        |
| 182 | SCPM6.6/35-D48/750     | 48             | 750          | 50-100           | 1000-1200    | 6.6                | 35              | 1×1                        |
| 183 | SCPM16/18-D48/750      | 48             | 750          | 50-100           | 1000-1200    | 16                 | 18              | 1.5×1.5                    |
| 184 | SCPM27/15-D72/1100     | 72             | 1100         | 76-150           | 1500-2000    | 27                 | 15              | 2×2                        |
| 185 | SCPM55-17-D110-1500    | 110            | 1500         | 100-200          | ≥2000        | 55                 | 17              | 3×3                        |
| 186 | SCPM70-16-220/300-2200 | 280            | 2200         | 360-450          | ≥2900        | 53                 | 19              | 4×4                        |

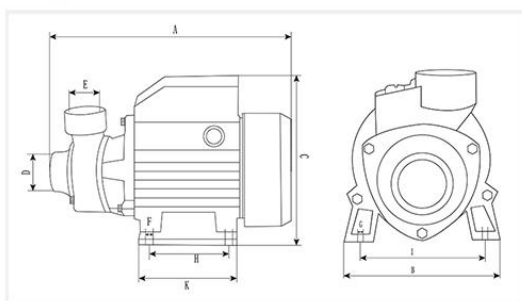




## Free spare parts

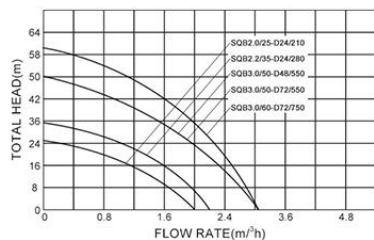


## Pump size chart

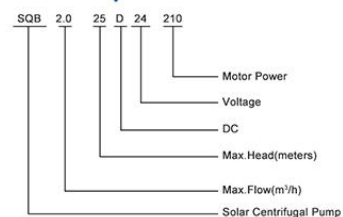


| Model        | A   | B   | C   | D | E | F | G  | H  | I   | K   |
|--------------|-----|-----|-----|---|---|---|----|----|-----|-----|
| SQB-210-280W | 250 | 115 | 160 | 1 | 1 | 7 | 12 | 85 | 95  | 100 |
| SQB-550/750W | 298 | 135 | 180 | 1 | 1 | 8 | 11 | 90 | 110 | 114 |

## Curve



## Model Explanation



## Material of Parts

Outlet: Cast Iron/SS304  
 Pump body: Stainless steel/Cast iron  
 Impeller: Brass/SS304  
 Motor Body: Die-cast Aluminum  
 Bearing: NSK  
 Screw: Stainless Steel  
 Motor: Brushless DC motor  
 Controller shell: Die-cast Aluminum (IP67)

## Pump Performancee

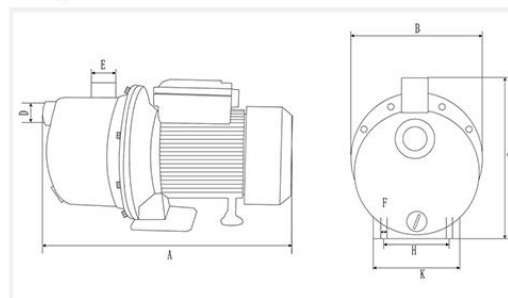
| NO. | Model             | Pump        |           | Solar Panels  |           | Max Flow (m³/h) | Max Head (m) | Outlet Dia (inch) |
|-----|-------------------|-------------|-----------|---------------|-----------|-----------------|--------------|-------------------|
|     |                   | Voltage (V) | Power (W) | VOC range (V) | Power (W) |                 |              |                   |
| 187 | SQB2.0/25-D24/210 | 24          | 210       | 25-50         | 280-380   | 2               | 25           | 1×1               |
| 188 | SQB2.2/35-D24/280 | 24          | 280       | 25-50         | 380-380   | 2.2             | 35           | 1×1               |
| 189 | SQB3.0/50-D48/550 | 48          | 550       | 50-100        | 720-900   | 3               | 50           | 1×1               |
| 190 | SQB3.0/50-D72/550 | 72          | 550       | 75-150        | 720-900   | 3               | 50           | 1×1               |
| 191 | SQB3.0/60-D72/750 | 72          | 750       | 75-150        | 1000-1250 | 3               | 60           | 1×1               |



## Free spare parts

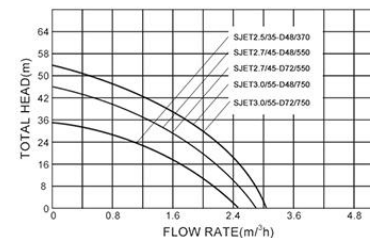


## Pump size chart

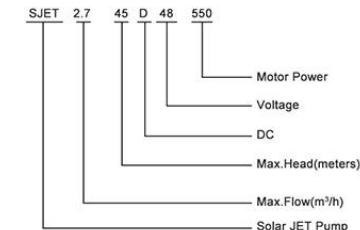


| Model         | A   | B   | C   | D | E | F  | H   | K   |
|---------------|-----|-----|-----|---|---|----|-----|-----|
| SJET-370W     | 333 | 165 | 185 | 1 | 1 | 9  | 119 | 163 |
| SJET-550/750W | 360 | 195 | 210 | 1 | 1 | 10 | 95  | 125 |

## Curve



## Model Explanation

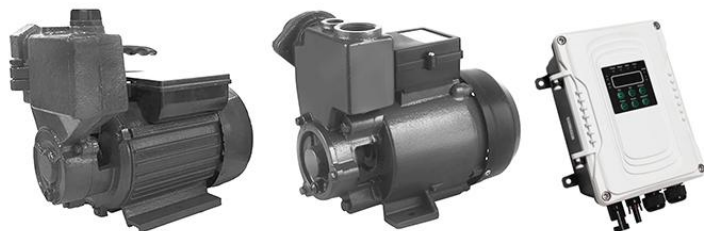


## Material of Parts

Outlet: Stainless Steel  
 Pump body: Stainless Steel  
 Impeller: Stainless steel/Plastic  
 Motor Body: Die-cast Aluminum  
 Bearing: NSK  
 Screw: Stainless Steel  
 Motor: Brushless DC motor  
 Controller shell: Die-cast Aluminum (IP67)

## Pump Performancee

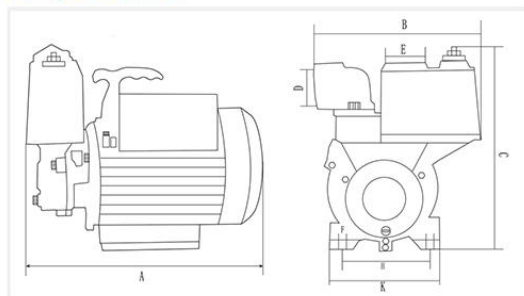
| NO. | Model              | Pump        |           | Solar Panels  |           | Max Flow (m³/h) | Max Head (m) | Outlet Dia (inch) |
|-----|--------------------|-------------|-----------|---------------|-----------|-----------------|--------------|-------------------|
|     |                    | Voltage (V) | Power (W) | VOC range (V) | Power (W) |                 |              |                   |
| 192 | SJET2.5/35-D48/370 | 48          | 370       | 50-100        | 500-600   | 2.5             | 35           | 1×1               |
| 193 | SJET2.7/45-D48/550 | 48          | 550       | 50-100        | 720-900   | 2.7             | 45           | 1×1               |
| 194 | SJET2.7/45-D72/550 | 72          | 550       | 75-150        | 720-900   | 2.7             | 45           | 1×1               |
| 195 | SJET3.0/55-D48/750 | 48          | 750       | 50-100        | 1000-1250 | 3               | 55           | 1×1               |
| 196 | SJET3.0/55-D72/750 | 72          | 750       | 75-150        | 1000-1250 | 3               | 55           | 1×1               |



## Free spare parts

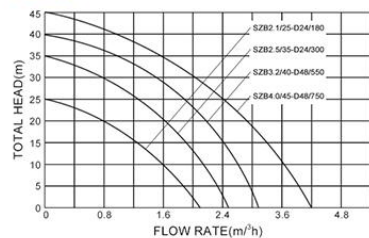


## Pump size chart

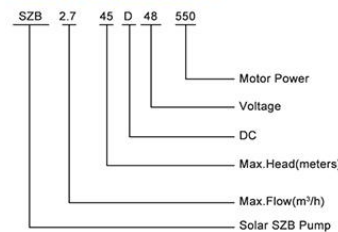


| Model             | A<br>mm | B<br>mm | C<br>mm | D<br>inch | E<br>inch | F<br>mm | H<br>mm | K<br>mm |
|-------------------|---------|---------|---------|-----------|-----------|---------|---------|---------|
| SZB2.1/25-D24/180 | 220     | 135     | 205     | 1         | 1         | 7.5     | 93      | 115     |
| SZB2.5/35-D24/300 | 220     | 135     | 205     | 1         | 1         | 7.5     | 93      | 115     |
| SZB3.2/40-D48/550 | 285     | 170     | 250     | 1         | 1         | 10      | 110     | 135     |
| SZB4.0/45-D48/750 | 285     | 170     | 250     | 1         | 1         | 10      | 110     | 135     |

## Curve



## Model Explanation



## Material of Parts

Outlet: Cast Iron  
 Pump body: Stainless steel/Cast iron  
 Impeller: Brass  
 Motor Body: Die-cast Aluminum  
 Bearing: NSK  
 Screw: Stainless Steel  
 Motor: Brushless DC motor  
 Controller shell: Die-cast Aluminum (IP67)

## Pump Performancee

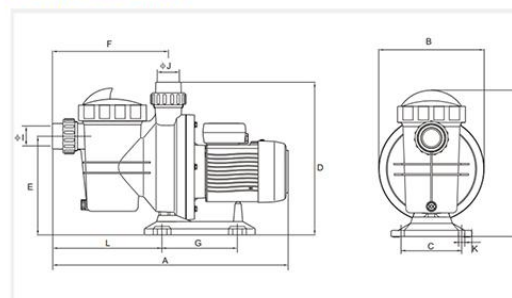
| NO. | Model             | Pump           |              | Solar Panels     |              | Max Flow<br>(m³/h) | Max Head<br>(m) | Outlet Dia<br>(inch) |
|-----|-------------------|----------------|--------------|------------------|--------------|--------------------|-----------------|----------------------|
|     |                   | Voltage<br>(V) | Power<br>(W) | VOC range<br>(V) | Power<br>(W) |                    |                 |                      |
| 197 | SZB2.1/25-D24/180 | 24             | 180          | 25-50            | 250-300      | 2.1                | 25              | 1×1                  |
| 198 | SZB2.5/35-D24/300 | 24             | 300          | 25-50            | 500-600      | 2.5                | 35              | 1×1                  |
| 199 | SZB3.2/40-D48/550 | 48             | 550          | 50-100           | 750-1000     | 3.2                | 40              | 1×1                  |
| 200 | SZB4.0/45-D48/750 | 48             | 750          | 50-100           | 1000-1250    | 4                  | 45              | 1×1                  |



## Free spare parts

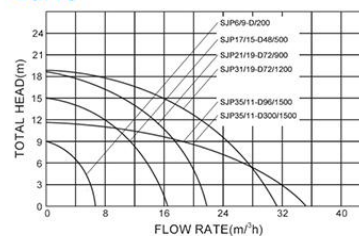


## Pump size chart

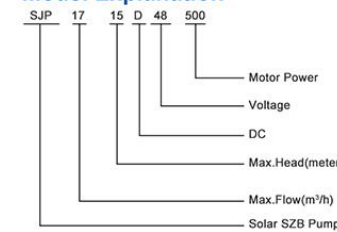


| Model     | A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm | G<br>mm | H<br>mm | L<br>mm | I<br>mm | J<br>mm | K<br>mm |
|-----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SJP/200W  | 400     | 160     | 100     | 250     | 231     | 158     | 90      | 210     | 203     | 40      | 32/40   | 4-9     |
| SJP/500W  | 550     | 238     | 160     | 345     | 225     | 262     | 170     | 330     | 245     | 50      | 50      | 4-10    |
| SJP/900W  | 550     | 238     | 160     | 345     | 225     | 262     | 170     | 330     | 245     | 50      | 50      | 4-10    |
| SJP/1200W | 655     | 270     | 230     | 450     | 295     | 335     | 200     | 440     | 270     | 63      | 63      | 4-10    |
| SJP-1500W | 655     | 270     | 230     | 450     | 295     | 335     | 200     | 440     | 270     | 63      | 63      | 4-10    |

## Curve



## Model Explanation



## Material of Parts

Outlet: Cast Iron  
 Pump body: Stainless steel/Cast iron  
 Impeller: Brass  
 Motor Body: Die-cast Aluminum  
 Bearing: NSK  
 Screw: Stainless Steel  
 Motor: Brushless DC motor  
 Controller shell: Die-cast Aluminum (IP67)

## Pump Performancee

| NO. | Model              | Pump           |              | Solar Panels     |              | Max Flow<br>(m³/h) | Max Head<br>(m) | Outlet Dia<br>(inch) |
|-----|--------------------|----------------|--------------|------------------|--------------|--------------------|-----------------|----------------------|
|     |                    | Voltage<br>(V) | Power<br>(W) | VOC range<br>(V) | Power<br>(W) |                    |                 |                      |
| 201 | SJP6/9-D24/200     | 24             | 200          | 25-50            | 280-380      | 6                  | 9               | 1.5×1.5              |
| 202 | SJP17/15-D48/500   | 48             | 500          | 50-100           | 650-800      | 17                 | 15              | 2×2                  |
| 203 | SJP21/19-D72/900   | 72             | 900          | 75-150           | 1200-1400    | 21                 | 19              | 2×2                  |
| 204 | SJP31/19-D72/1200  | 72             | 1200         | 75-150           | 1560-1800    | 31                 | 19              | 2.5×2.5              |
| 205 | SJP35/11-D96/1500  | DC96           | 1500         | 100-200          | 2000-2500    | 35                 | 11              | 2.5×2.5              |
| 206 | SJP35/11-D300/1500 | AC220/DC300    | 1500         | 330-450          | 2000-2500    | 35                 | 11              | 2.5×2.5              |



High-speed-working impellers splash the water into the air--these splashing water mix the oxygen in the air and be brought into the water and dissolved oxygen in the water increase. The working impellers produce waves and currents-- make the saturated ammonia, CO<sub>2</sub>, methane, sulfuretd hydrogen, etc. go out of the water-- the water quality improved.

### Working Principle

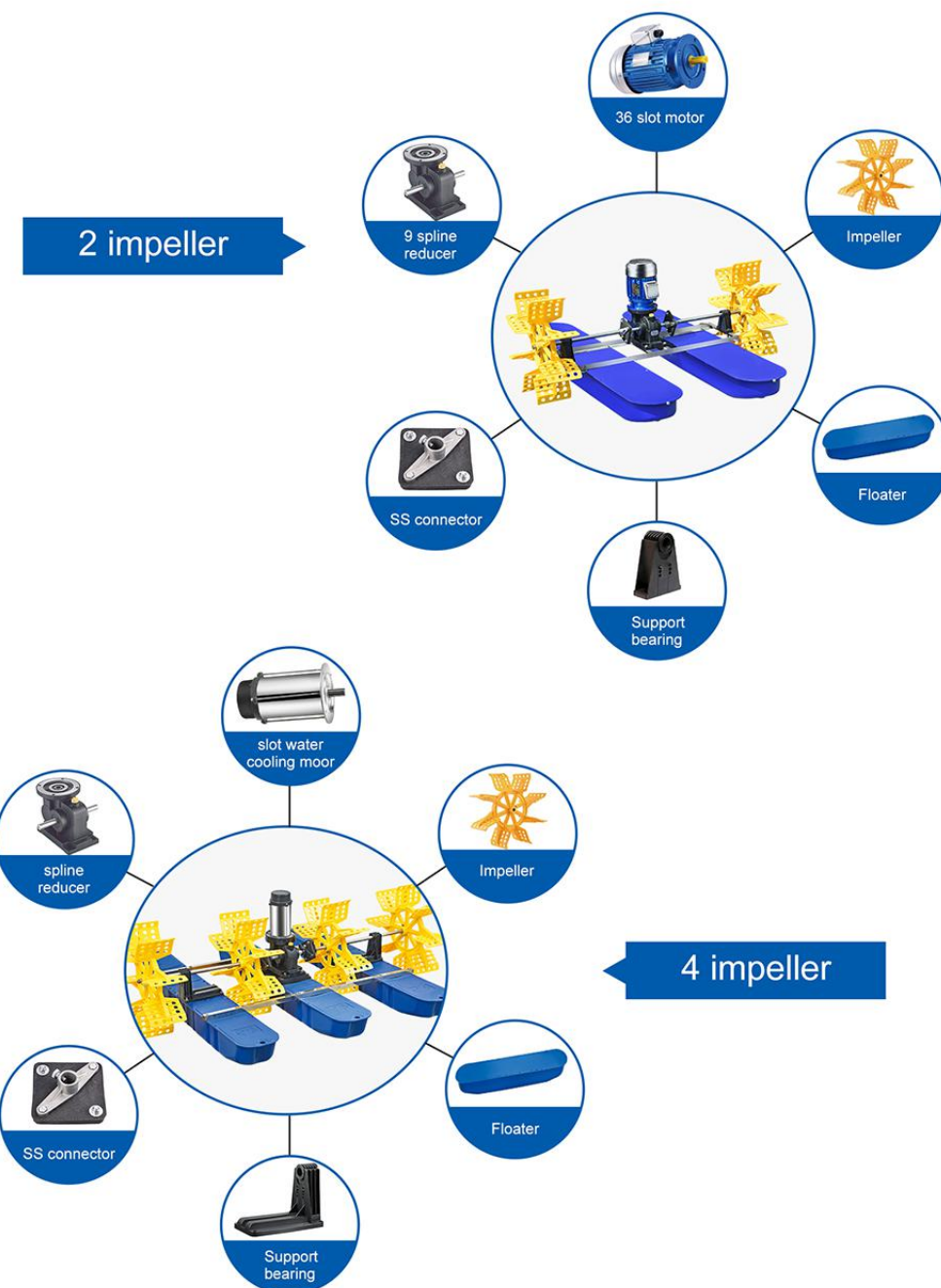
Powerful features making wave with the bottom surface accelerated the exchange of oxygen-rich water to fully utilize photosynthesis of algae to consume organic residues, can save feed, but also purify water, to avoid NH<sub>3</sub> and nitrite and other harmful substances. Pond surface waves more easily dissolved oxygen rate, adjust the upper and lower temperature, more conducive to water modulation.

### Solar Aerator



| NO. | Model            | Voltage (V) | Power (W) | VOC range (V) | Solar power (W) | Flow (m <sup>3</sup> /h) | Head (m) | Outlet (inch) | Covering area (m <sup>2</sup> ) |
|-----|------------------|-------------|-----------|---------------|-----------------|--------------------------|----------|---------------|---------------------------------|
| 207 | SFB15/4.5-48/370 | DC48        | 370       | 50-100        | 600             | 15                       | 4.5      | 3             | 3                               |
| 208 | SFB25/5-48/750   | DC48        | 750       | 50-100        | 1000-1200       | 25                       | 5        | 3             | 3                               |
| 209 | SFB30/7-72/1100  | DC72        | 1100      | 75-1500       | 1500-1800       | 30                       | 7        | 3             | 3                               |
| 210 | SFB40/6-96/1500  | DC96        | 1500      | 100-200       | 2000-2400       | 40                       | 6        | 3             | 3                               |
| 211 | SFB55/5-300/2200 | AC220/DC300 | 2200      | 330-450       | 2500-3000       | 55                       | 5        | 4             | 4                               |

### Solar Paddle Wheel Aerator

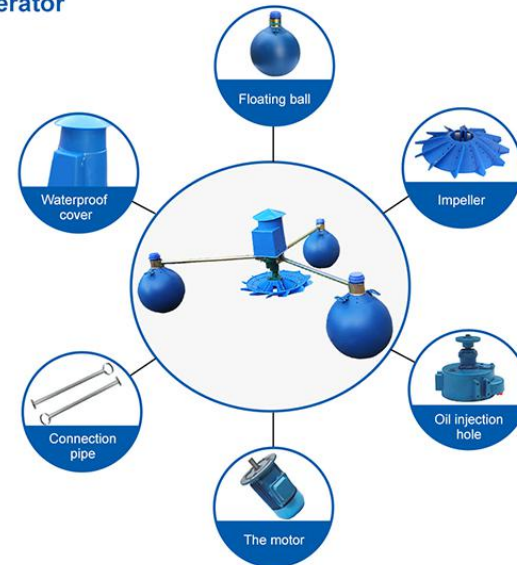


6 impeller



| NO. | Model         | Voltage (V) | Power (W) | VOC range (V) | Solar power (W) | Quantity of impeller | Oxygenation rate(kg/h) | Covering area (m <sup>2</sup> ) |
|-----|---------------|-------------|-----------|---------------|-----------------|----------------------|------------------------|---------------------------------|
| 212 | SSC2-48/750   | DC48        | 750       | 50-100        | 1000-1200       | 2                    | ≥1.1                   | 666-3330                        |
| 213 | SSC4-96/1500  | DC96        | 1500      | 100-200       | 2000-2400       | 4                    | ≥1.9                   | 2000-6660                       |
| 214 | SSC6-300/2200 | AC220/DC300 | 2200      | 330-450       | 2500-3000       | 6                    | ≥2.0                   | 2665-8000                       |

## Solar Impeller Aerator



| NO. | Model        | Voltage (V) | Power (W) | VOC range (V) | Solar power (W) | Oxygenation rate(kg/h) | Covering area (m <sup>2</sup> ) |
|-----|--------------|-------------|-----------|---------------|-----------------|------------------------|---------------------------------|
| 215 | SYL-48/750   | DC48        | 750       | 50-100        | 1000-1200       | 1.1                    | 666-2000                        |
| 216 | SYL-72/1100  | DC72        | 1100      | 75-150        | 1500-1800       | ≥1.6                   | 2000-2665                       |
| 217 | SYL-96/1500  | DC96        | 1500      | 100-200       | 2000-2400       | ≥2.3                   | 2000-4000                       |
| 218 | SYL-300/2200 | AC220/DC300 | 2200      | 330-450       | 2500-3000       | ≥3.4                   | 2665-5328                       |



FLZ:

Material of parts:

Outlet: cast iron/ stainless steel

Pump body: cast iron/ stainless steel

Impeller: brass/ stainless steel

Motor body: die-cast aluminum

Bearing: NSK

Screw: stainless steel

Motor: brushless DC motor

FL-SU:

Material of parts:

Outlet: die-cast aluminum

Pump body: die-cast aluminum

Impeller: die-cast aluminum

Motor body: die-cast aluminum

Bearing: NSK

Screw: stainless steel

Motor: brushless DC motor



FLZ



FLSU

| NO. | Model            | Pump        |           | Solar Panels  |           | Max Flow (m³/h) | Max Head (m) | Outlet Dia (inch) |
|-----|------------------|-------------|-----------|---------------|-----------|-----------------|--------------|-------------------|
|     |                  | Voltage (V) | Power (W) | VOC range (V) | Power (W) |                 |              |                   |
| 219 | FLZ2-25-24-200   | 24          | 200       | 25-50         | ≥300      | 2               | 25           | 1×1               |
| 220 | FLZ2-30-24-300   | 24          | 300       | 25-50         | ≥500      | 2               | 30           | 1×1               |
| 221 | FLZ2.5-35-48-400 | 48          | 400       | 50-100        | ≥600      | 2.5             | 35           | 1×1               |
| 222 | FLZ3-45-48-600   | 48          | 600       | 50-100        | ≥800      | 3               | 45           | 1×1               |
| 223 | FLZ3.5-55-72-800 | 72          | 800       | 75-150        | ≥1100     | 3.5             | 55           | 1×1               |
| 224 | FLZ6-55-96-1100  | 96          | 1100      | 100-200       | ≥1500     | 6               | 55           | 1.5×1.5           |

| NO. | Model                  | Pump        |           | Solar Panels  |           | Max Flow (m³/h) | Max Head (m) | Outlet (inch) |
|-----|------------------------|-------------|-----------|---------------|-----------|-----------------|--------------|---------------|
|     |                        | Voltage (V) | Power (W) | VOC range (V) | Power (W) |                 |              |               |
| 225 | FLSU25-22-110-1500     | 110         | 1500      | 100-200       | ≥2000     | 25              | 22           | 2×2           |
| 226 | FLSU53-19-220/300-2200 | 280         | 2200      | 300-450       | ≥2900     | 53              | 19           | 3×3           |

## Brushless dc pump



| NO. | Model          | Flow (m³/h) | Head (m) | Power (W) | Voltage (V) |
|-----|----------------|-------------|----------|-----------|-------------|
| 227 | QXDC-1-12V     | 16-20       | 8-12     | 450       | 12V         |
| 228 | QXDC-1-24V     | 16-20       | 10-15    | 450       | 24V         |
| 229 | QXDC-2-24V     | 16-20       | 10-15    | 450       | 24V         |
| 230 | QXDC-1-48V/60V | 16-20       | 18-25    | 800       | 48V/60V     |
| 231 | QXDC-2-48V/60V | 16-20       | 18-25    | 800       | 48V/60V     |
| 232 | QXDC-3-48V/60V | 40-50       | 12-15    | 1500      | 48V/60V     |
| 233 | QXDC-4-48V/60V | 80-100      | 12-18    | 1800      | 48V/60V     |

12V and 24V cable 3 meters, 48V/60V general 7 meters cable standard

## DC brushless self-priming pump



| NO. | Model      | Max Flow (m³/h) | Max Head (m) | Power (W) | Voltage (V) | Outlet (mm) | Suction (m) |
|-----|------------|-----------------|--------------|-----------|-------------|-------------|-------------|
| 234 | ZWS-14-20  | 14-16           | 20           | 48        | 750         | 50          | 5           |
| 235 | ZWBS-14-20 | 14-16           | 20           | 60        | 750         | 50          | 5           |

## Brushless DC Submersible Pump



| NO. | Model       | Flow (m³/h) | Max Head (m) | Power (W) | Voltage (V) | Outlet (mm) | Speed (r/min) |
|-----|-------------|-------------|--------------|-----------|-------------|-------------|---------------|
| 236 | ZQB-1-12    | 8           | 17           | 100       | 12          | 25          | 3600          |
| 237 | ZQB-1-24    | 10          | 21           | 200       | 24          | 25          | 3500          |
| 238 | ZQB-1-48/60 | 10          | 21           | 300       | 48/60       | 25          | 3300          |
| 239 | ZQB-2-48/60 | 30          | 15           | 600       | 48/60       | 50          | 3300          |
| 240 | ZQB-3-48/60 | 45          | 13           | 800       | 48/60       | 80          | 3300          |

## New brushless self-priming pump



| NO. | Model    | Flow (m³/h) | Head (m)   | Power (W) | Voltage (V) | Inlet/Outlet (mm) | Suction (m) | Weight (kg) | Dimension (cm) |
|-----|----------|-------------|------------|-----------|-------------|-------------------|-------------|-------------|----------------|
| 241 | DCZN-50  | 10-16-20-25 | 7-12-18-20 | 680       | 48/60       | 50/50             | 5           | 10.2        | 33*23*36       |
| 242 | DCZN-60  | 12-18-22-26 | 8-13-20-22 | 800       | 48/60       | 50/50             | 5           | 10.7        | 33*23*36       |
| 243 | DCZN-80  | 15-25-28-32 | 5-9-12-15  | 900       | 48/60       | 75/75             | 5           | 12.6        | 39*25*44       |
| 244 | DCZN-100 | 16-26-30-35 | 6-10-13-16 | 1100      | 48/60       | 75/75             | 5           | 13.1        | 39*25*44       |

## DC brush deep well pump



3FMDC 3SMDC

| NO. | Model     | Max Flow (m³/h) | Max Head (m) | Power (W) | Voltage (V) | Outlet (mm) | Pump diameter (mm) | cable (m) | Impellers (Quantity) |
|-----|-----------|-----------------|--------------|-----------|-------------|-------------|--------------------|-----------|----------------------|
| 245 | 3FMDC12-1 | 4               | 15           | 250       | 12          | 25          | 76                 | 15        | 4                    |
| 246 | 3FMDC24-1 | 4.5             | 21           | 250       | 24          | 25          | 76                 | 15        | 4                    |
| 247 | 3FMDC48-1 | 5.5             | 28           | 250       | 48          | 25          | 76                 | 15        | 4                    |
| 248 | 3FMDC24-2 | 4.5             | 21           | 250       | 24          | 40          | 76                 | 15        | 4                    |
| 249 | 3FMDC48-2 | 5.5             | 28           | 250       | 48          | 40          | 76                 | 15        | 4                    |
| 250 | 3SMDC24-1 | 4.5             | 21           | 250       | 24          | 25          | 76                 | 15        | 4                    |
| 251 | 3SMDC48-1 | 5.5             | 28           | 250       | 48          | 25          | 76                 | 15        | 4                    |

## DC brush screw pump



| NO. | Model     | Max Flow (m³/h) | Max Head (m) | Power (W) | Voltage (V) | Outlet (mm) | Weight (kg) |
|-----|-----------|-----------------|--------------|-----------|-------------|-------------|-------------|
| 252 | FL-12-300 | 1.5             | 25           | 300       | 12          | 32/25       | 4.3         |
| 253 | FL-24-300 | 1.5             | 50           | 300       | 24          | 32/25       | 4.3         |
| 254 | FL-48-370 | 1.5             | 65           | 370       | 48          | 32/25       | 4.3         |
| 255 | FL-60-370 | 1.5             | 70           | 370       | 60          | 32/25       | 4.3         |

## DC brush submersible pump



A TYPE

B TYPE

C TYPE

| NO. | Model  | Flow (L/min) | Head (m) | Power (W) | Voltage (V) | Outlet (mm) | Weight (kg) |
|-----|--------|--------------|----------|-----------|-------------|-------------|-------------|
| 256 | ZQB-12 | 100          | 8        | 125       | DC12        | 35          | 3           |
| 257 | ZQB-24 | 135          | 10       | 135       | DC24        | 25          | 3.2         |
| 258 | ZQB-48 | 170          | 12       | 185       | DC48        | 25          | 3.4         |
| 259 | ZQB-60 | 200          | 18       | 230       | DC60        | 25          | 3.8         |

## Product description:

The oil pump has stable performance, wide application range, small size, light weight, easy to install and carry. It is powered by batteries and can be used as fuel supply for field work vehicles, such as road and field engineering vehicles, excavators, bulldozers, road rollers, and cement Refueling of mixers, cranes, fuel air compressors, mining machinery, agricultural machinery, etc.

## Product Usage:

1. The oil pump is a special pump for filling diesel oil, and it must not be used for water, gasoline, alcohol and other chemical liquids.
2. When working, the distance between the oil pump and the oil tank of the engineering machinery and equipment should be kept at least 2m. It is forbidden to seat the oil pump directly on the oil tank.
3. Pay attention to the polarity of the wiring pliers before work, the red wire pliers are + pole, the black wire pliers are - pole.
4. It is best to tie the filter screen in front of the inlet hose to avoid sucking debris (such as sand, screws and nuts) at the bottom of the oil drum into the pump and causing damage to the oil pump.
5. Frequently clean the built-in filter screen of the oil pump (the built-in filter screen is in the inlet elbow) to avoid blockage of the inlet. Please install the filter before use. If the customer uses improperly, the company will not bear the responsibility. This oil pump can only be used to transport diesel and kerosene (pumping water, gasoline and dangerous goods is strictly prohibited). The filter should be cleaned after use. Convenient to use next time.

A TYPE  
DC12/24VB TYPE  
DC12/24VC TYPE  
DC12/24V AC220V

## Conditions of Use:

Altitude-----S2500m  
Air temperature -----5°C~+35°C  
Environment temperature-----S37°C  
Good ventilation, no corrosive gas

## Conditions of Use:

Motor temperature rise-----≤75K  
Motor noise-----≤55DB

| NO. | Model       | Voltage (V) | Power (W) | Suction (M) | Head (M) | Flow (m³/h) | Current (m) | Size (cm) | Inlet/outlet (mm) |
|-----|-------------|-------------|-----------|-------------|----------|-------------|-------------|-----------|-------------------|
| 260 | FLO-40-12DC | DC12        | 160       | 3-5         | 10-20    | 40          | 13.5        | 20*11*16  | 25*25             |
| 261 | FLO-40-24DC | DC24        | 200       | 3-5         | 10-20    | 40          | 8.5         | 20*11*16  | 25*25             |
| 262 | FLO-40-220V | AC220V      | 120       | 3-5         | 10-20    | 40          | 0.6         | 20*11*16  | 25*25             |