

# SPC

## Brushless Solar Pump

### ADVANTAGE FOR SOLAR WATER PUMP

1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
2. Environmental protection, clean energy, can be powered by both solar panel and battery
3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
4. With MPPT function
5. Much longer life than the normal AC water pump.

### APPLICATION FIELD

These water pumps are used in irrigation of agriculture, and also widely used for drinking water and living water use

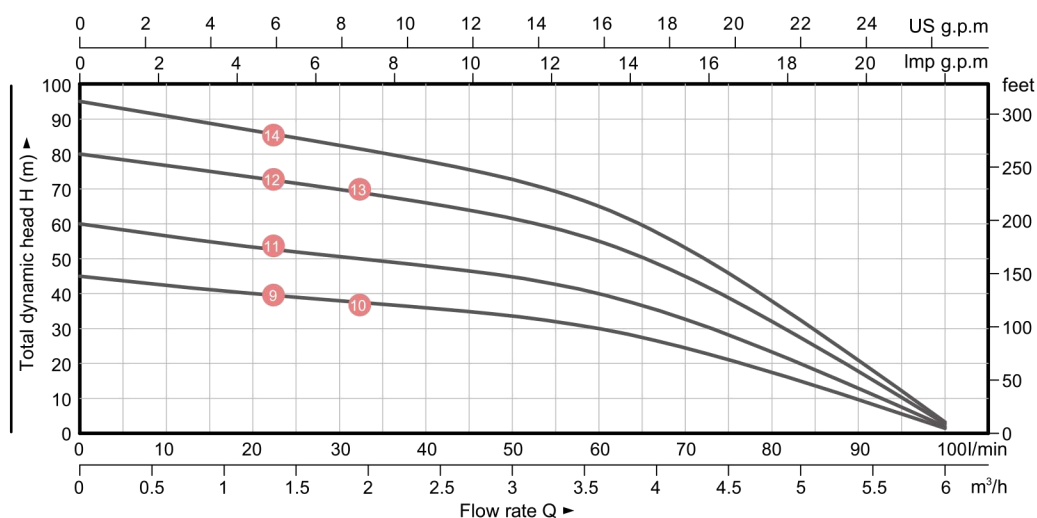
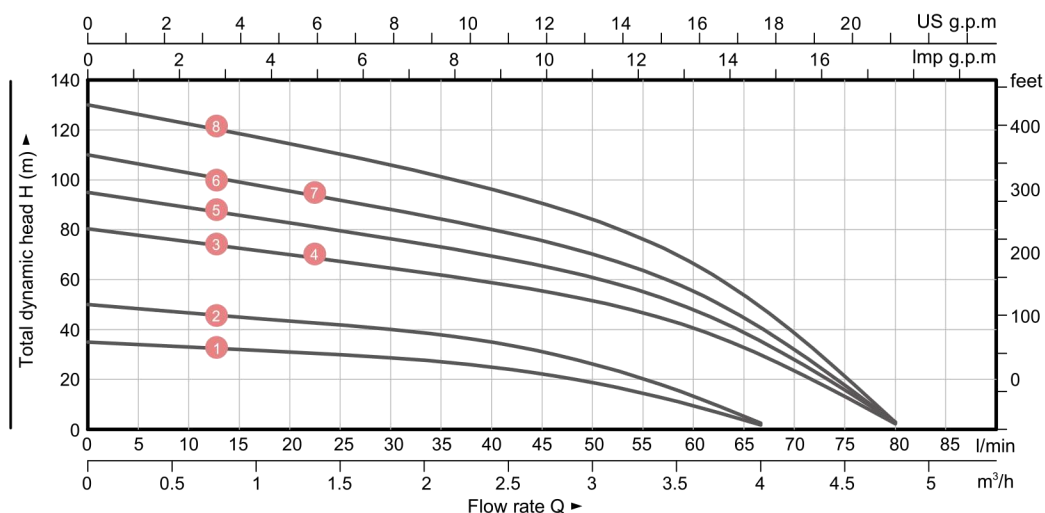
3 / 4 SPC 4-35-24-300

- Power(W)
- DC Voltage
- Max head(meters)
- Max flow(m<sup>3</sup>/h)
- Pump name(DC motor)
- Well diameter:  $\phi$  3" &  $\phi$  4"

4 / 6 SPC 26-18-72-1100

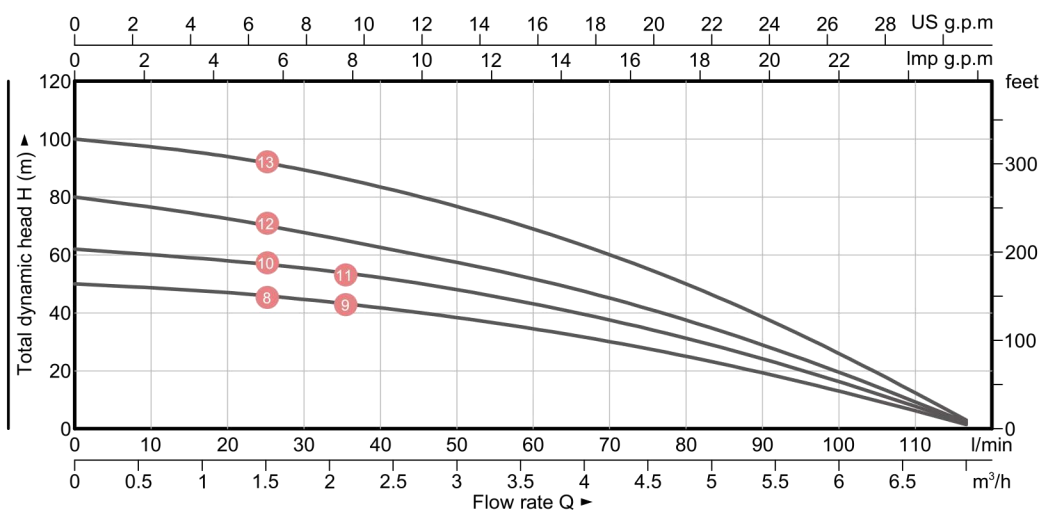
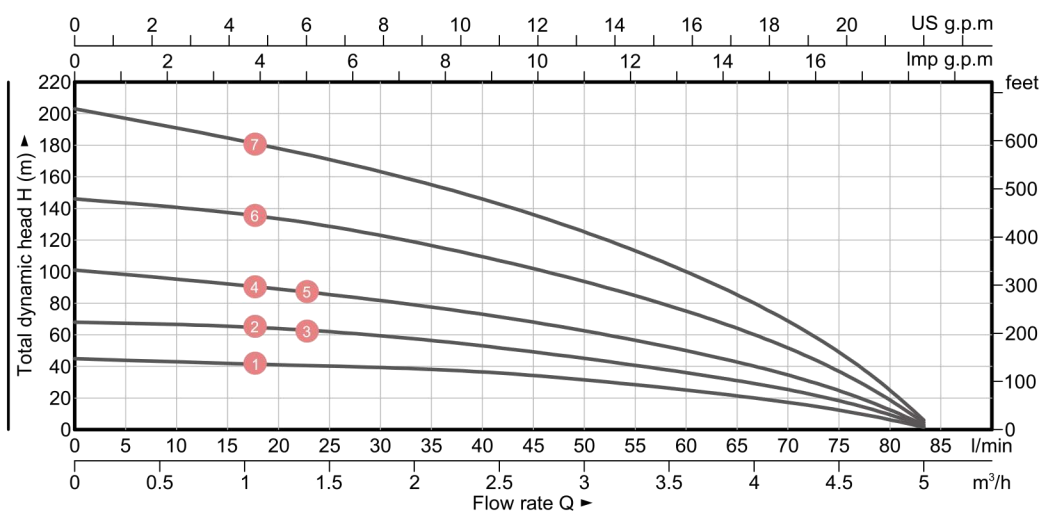
- Power(W)
- DC Voltage
- Max head(meters)
- Max flow(m<sup>3</sup>/h)
- Pump name(DC motor)
- Well diameter:  $\phi$  6" (6" Pump)
- 4" motor





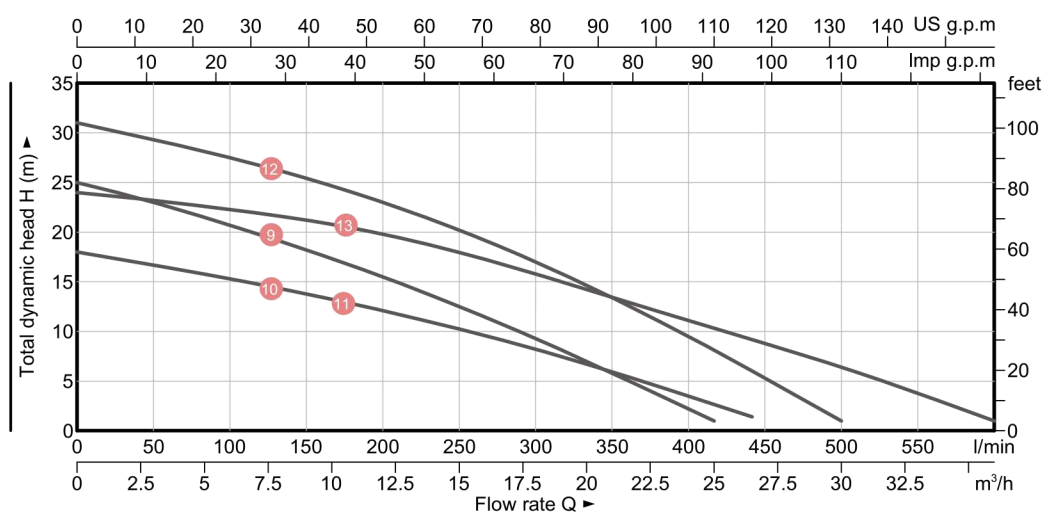
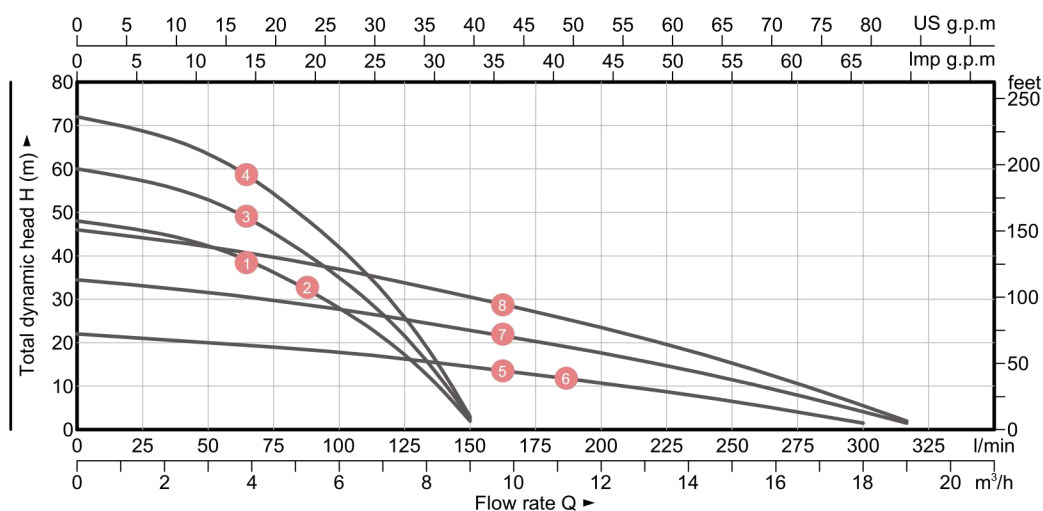
## TECHNICAL DATA

| MODEL                  | Voltage | Best DC Voltage | Power | Max. Flow | Max. Head | Outlet | Cable | Solar panel  |        |
|------------------------|---------|-----------------|-------|-----------|-----------|--------|-------|--------------|--------|
|                        |         |                 |       |           |           |        |       | open voltage | Power  |
| 1 3SPC4-35-24-300      | 24V     | 30V-48V         | 300W  | 4m³ /h    | 35m       | 1.25"  | 2m    | < 50V        | ≥500W  |
| 2 3SPC4-50-48-400      | 48V     | 60V-90V         | 400W  | 4m³ /h    | 50m       | 1.25"  | 2m    | < 100V       | ≥600W  |
| 3 3SPC4.8-80-48-600    | 48V     | 60V-90V         | 600W  | 4.8m³ /h  | 80m       | 1.25"  | 2m    | < 100V       | ≥750W  |
| 4 3SPC4.8-80-72-600    | 72V     | 90V-120V        | 600W  | 4.8m³ /h  | 80m       | 1.25"  | 2m    | < 150V       | ≥750W  |
| 5 3SPC4.8-95-72-750    | 72V     | 90V-120V        | 750W  | 4.8m³ /h  | 95m       | 1.25"  | 2m    | < 150V       | ≥1000W |
| 6 3SPC4.8-110-72-1100  | 72V     | 90V-120V        | 1100W | 4.8m³ /h  | 110m      | 1.25"  | 2m    | < 150V       | ≥1500W |
| 7 3SPC4.8-110-110-1100 | 110V    | 110V-150V       | 1100W | 4.8m³ /h  | 110m      | 1.25"  | 2m    | < 200V       | ≥1500W |
| 8 3SPC4.8-130-110-1500 | 110V    | 110V-150V       | 1500W | 4.8m³ /h  | 130m      | 1.25"  | 2m    | < 200V       | ≥2000W |
| 9 3SPC6-44-48-600      | 48V     | 60V-90V         | 600W  | 6m³ /h    | 44m       | 1.25"  | 2m    | < 100V       | ≥750W  |
| 10 3SPC6-44-72-600     | 72V     | 90V-120V        | 600W  | 6m³ /h    | 44m       | 1.25"  | 2m    | < 150V       | ≥750W  |
| 11 3SPC6-60-72-750     | 72V     | 90V-120V        | 750W  | 6m³ /h    | 60m       | 1.25"  | 2m    | < 150V       | ≥1000W |
| 12 3SPC6-80-72-1100    | 72V     | 90V-120V        | 1100W | 6m³ /h    | 80m       | 1.25"  | 2m    | < 150V       | ≥1500W |
| 13 3SPC6-80-110-1100   | 110V    | 110V-150V       | 1100W | 6m³ /h    | 80m       | 1.25"  | 2m    | < 200V       | ≥1500W |
| 14 3SPC6-95-110-1500   | 110V    | 110V-150V       | 1500W | 6m³ /h    | 95m       | 1.25"  | 2m    | < 200V       | ≥2000W |



## TECHNICAL DATA

| MODEL                | Voltage | Best DC Voltage | Power | Max. Flow | Max. Head | Outlet | Cable | Solar panel  |        |
|----------------------|---------|-----------------|-------|-----------|-----------|--------|-------|--------------|--------|
|                      |         |                 |       |           |           |        |       | open voltage | Power  |
| ① 4SPC5-45-48-500    | 48V     | 60V-90V         | 500W  | 5.0m³/h   | 45m       | 1.25"  | 2m    | < 100V       | ≥600W  |
| ② 4SPC5-67-48-750    | 48V     | 60V-90V         | 750W  | 5.0m³/h   | 67m       | 1.25"  | 2m    | < 100V       | ≥1000W |
| ③ 4SPC5-67-72-750    | 72V     | 90V-120V        | 750W  | 5.0m³/h   | 67m       | 1.25"  | 2m    | < 150V       | ≥1000W |
| ④ 4SPC5-101-72-1100  | 72V     | 90V-120V        | 1100W | 5.0m³/h   | 101m      | 1.25"  | 2m    | < 150V       | ≥1500W |
| ⑤ 4SPC5-101-110-1100 | 110V    | 110V-150V       | 1100W | 5.0m³/h   | 101m      | 1.25"  | 2m    | < 200V       | ≥1500W |
| ⑥ 4SPC5-146-110-1300 | 110V    | 110V-150V       | 1300W | 5.0m³/h   | 146m      | 1.25"  | 2m    | < 200V       | ≥1800W |
| ⑦ 4SPC5-203-110-1500 | 110V    | 110V-150V       | 1500W | 5.0m³/h   | 203m      | 1.25"  | 2m    | < 200V       | ≥2000W |
| ⑧ 4SPC7-50-48-750    | 48V     | 60V-90V         | 750W  | 7.0m³/h   | 50m       | 1.25"  | 2m    | < 100V       | ≥1000W |
| ⑨ 4SPC7-50-72-750    | 72V     | 90V-120V        | 750W  | 7.0m³/h   | 50m       | 1.25"  | 2m    | < 150V       | ≥1000W |
| ⑩ 4SPC7-62-72-1100   | 72V     | 90V-120V        | 1100W | 7.0m³/h   | 62m       | 1.25"  | 2m    | < 150V       | ≥1500W |
| ⑪ 4SPC7-62-110-1100  | 110V    | 110V-150V       | 1100W | 7.0m³/h   | 62m       | 1.25"  | 2m    | < 200V       | ≥1500W |
| ⑫ 4SPC7-80-110-1300  | 110V    | 110V-150V       | 1300W | 7.0m³/h   | 80m       | 1.25"  | 2m    | < 200V       | ≥1800W |
| ⑬ 4SPC7-100-100-1500 | 110V    | 110V-150V       | 1500W | 7.0m³/h   | 100m      | 1.25"  | 2m    | < 200V       | ≥2000W |



## TECHNICAL DATA

| MODEL                  | Voltage | Best DC Voltage | Power | Max. Flow | Max. Head | Outlet   | Cable | Solar panel  |        |
|------------------------|---------|-----------------|-------|-----------|-----------|----------|-------|--------------|--------|
|                        |         |                 |       |           |           |          |       | open voltage | Power  |
| ① 4SPC9-48-72-750      | 72V     | 90V-120V        | 750W  | 9m³ /h    | 48m       | 1.5" /2" | 2m    | <150V        | ≥1000W |
| ② 4SPC9-48-110-750     | 110V    | 110V-150V       | 750W  | 9m³ /h    | 48m       | 1.5" /2" | 2m    | <200V        | ≥1000W |
| ③ 4SPC9-59-110-1300    | 110V    | 110V-150V       | 1300W | 9m³ /h    | 59m       | 1.5" /2" | 2m    | <200V        | ≥1800W |
| ④ 4SPC9-72-110-1500    | 110V    | 110V-150V       | 1500W | 9m³ /h    | 72m       | 1.5" /2" | 2m    | <200V        | ≥2000W |
| ⑤ 4SPC18-22-72-1100    | 72V     | 90V-120V        | 1100W | 18m³ /h   | 22m       | 2"       | 2m    | <150V        | ≥1500W |
| ⑥ 4SPC18-22-110-1100   | 110V    | 110V-150V       | 1100W | 18m³ /h   | 22m       | 2"       | 2m    | <200V        | ≥1500W |
| ⑦ 4SPC19-35-110-1300   | 110V    | 110V-150V       | 1300W | 19m³ /h   | 35m       | 2"       | 2m    | <200V        | ≥1800W |
| ⑧ 4SPC19-46-110-1500   | 110V    | 110V-150V       | 1500W | 19m³ /h   | 46m       | 2"       | 2m    | <200V        | ≥2000W |
| ⑨ 4SPC25-25-110-1500   | 110V    | 110V-150V       | 1500W | 25m³ /h   | 25m       | 2"       | 2m    | <200V        | ≥2000W |
| ⑩ 4/6SPC26-18-72-1100  | 72V     | 90V-120V        | 1100W | 26m³ /h   | 18m       | 3"       | 2m    | <150V        | ≥1500W |
| ⑪ 4/6SPC26-18-110-1100 | 110V    | 110V-150V       | 1100W | 26m³ /h   | 18m       | 3"       | 2m    | <200V        | ≥1500W |
| ⑫ 4/6SPC30-31-110-1500 | 110V    | 110V-150V       | 1500W | 30m³ /h   | 31m       | 3"       | 2m    | <200V        | ≥2000W |
| ⑬ 4/6SPC36-19-110-1500 | 110V    | 110V-150V       | 1500W | 36m³ /h   | 19m       | 3"       | 2m    | <200V        | ≥2000W |