



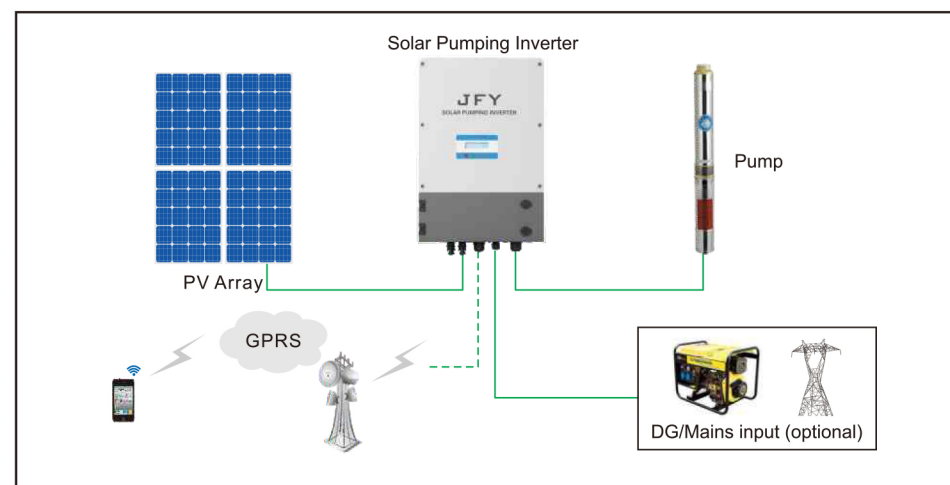
## JFY SPRING Series Solar Pumping Inverter

- Solar Pumping System uses the solar power which is one of green energy and it drives the pump directly after the conversion of the inverter. The system requires no external battery, stores waters instead of electricity and then drives the AC pump. The system is economical, saving-energy and clean. It can be applied to many occasions such as people and animals drinking water in remote areas, farmland irrigation, desertification control and city landscape water use etc.
- SPRING series Solar Pumping Inverter from JFY company is dedicated to Solar Pumping System and it can be used for various application scenario. The Solar Pumping Inverter controls and regulates the system operation, converts the DC power from PV array to AC power and then drives AC pumps. It can adjust the output frequency real-time according to the irradiation change and fulfill maximum power point tracking(MPPT).

### Product Features

- Designed dedicated for solar pump, and compatible with various motor types; have excellent performance;
- IP 65 protection level, inverter integrates the combiner box which contains the PV dedicated DC switch, SPD, fuse and other optional accessories;
- Plenty of communication interfaces, such as RS485/CAN/GPRS (optional); the running and status can be checked remotely;
- Inverter allows using grid or diesel generator as backup power supply, 24-hour running;
- Natural cooling design, IP65 high protection level guarantees inverter to be applied under all kinds of outdoor strict environment;
- Using advanced dynamic VI MPPT technique ; fast respond and good operating stability;
- Main circuit adopts intelligent power module, high reliability, conversion efficiency reach to 98%;
- Advanced IGBT module, the high and low water position detection control circuit optional;
- Full automatic running; no need manual duty; the pump speed range can be set freely according to the system conditions so that guarantee the running time as long as possible;
- The inverter outer casing is solid and durable, compact size, nice appearance; friendly UI, user can check the real time info and historical info via the LCD display located in the front board; can store the running data up to 8 years;
- Inverter has perfect running protection mechanism, such as output short-circuit protection, IGBT over-current protection, input over/under voltage protection, overload protection, module over-temp protection, grounding protection and so on;

### Solar Pumping System Diagram



### Application Scenario

Farmland irrigation



Desertification control



Animal drinking water



Tourism water supply



## JFY Solar Pumping Inverter Series & Technical Parameter

| 380V Triphase output series 3000W~22kW |                         |                     |                            |                                 |                        |                        |                       |                  |             |                |       |        |
|--|-------------------------|---------------------|----------------------------|---------------------------------|------------------------|------------------------|-----------------------|------------------|-------------|----------------|-------|--------|
| Inverter Model                         | MAX Input String Number | Start Voltage (Vdc) | MAX DC Input Voltage (Vdc) | Recomm MPPT Voltage Range (Vdc) | Rated Output Power (W) | MAX Output Current (A) | Output Frequency (Hz) | Protection Level | Weight (kg) | Pack Size (mm) |       |        |
|  |                         |                     |                            |                                 |                        |                        |                       |                  |             | Length         | Width | Height |
| SPRING 3000                            | 2                       | 250                 | 900                        | 500~680                         | 3000                   | 8                      | 0~50/60               | IP65             | 11.5        | 478            | 325   | 155    |
| SPRING 3000-A                          | 2                       | 250                 | 900                        | 500~680                         | 3000                   | 8                      | 0~50/60               | IP65             | 12          | 478            | 325   | 155    |
| SPRING 4000                            | 2                       | 250                 | 900                        | 500~680                         | 4000                   | 10                     | 0~50/60               | IP65             | 11.5        | 478            | 325   | 155    |
| SPRING 4000-A                          | 2                       | 250                 | 900                        | 500~680                         | 4000                   | 10                     | 0~50/60               | IP65             | 12          | 478            | 325   | 155    |
| SPRING 5500                            | 2                       | 250                 | 900                        | 500~680                         | 5500                   | 13                     | 0~50/60               | IP65             | 11.5        | 478            | 325   | 155    |
| SPRING 5500-A                          | 2                       | 250                 | 900                        | 500~680                         | 5500                   | 13                     | 0~50/60               | IP65             | 12          | 478            | 325   | 155    |
| SPRING 7500                            | 3                       | 250                 | 900                        | 500~680                         | 7500                   | 18                     | 0~50/60               | IP65             | 13.5        | 528            | 346   | 166    |
| SPRING 7500-A                          | 3                       | 250                 | 900                        | 500~680                         | 7500                   | 18                     | 0~50/60               | IP65             | 14          | 528            | 346   | 166    |
| SPRING 9200                            | 3                       | 250                 | 900                        | 500~680                         | 9200                   | 21                     | 0~50/60               | IP65             | 13.5        | 528            | 346   | 166    |
| SPRING 9200-A                          | 3                       | 250                 | 900                        | 500~680                         | 9200                   | 21                     | 0~50/60               | IP65             | 14          | 528            | 346   | 166    |
| SPRING 11K                             | 3                       | 250                 | 900                        | 500~680                         | 11000                  | 24                     | 0~50/60               | IP65             | 13.5        | 528            | 346   | 166    |
| SPRING 11K-A                           | 3                       | 250                 | 900                        | 500~680                         | 11000                  | 24                     | 0~50/60               | IP65             | 14          | 528            | 346   | 166    |
| SPRING 13K                             | 3                       | 250                 | 900                        | 500~680                         | 13000                  | 28                     | 0~50/60               | IP65             | 13.5        | 528            | 346   | 166    |
| SPRING 13K-A                           | 3                       | 250                 | 900                        | 500~680                         | 13000                  | 28                     | 0~50/60               | IP65             | 14          | 528            | 346   | 166    |
| SPRING 15K                             | 6                       | 250                 | 900                        | 500~680                         | 15000                  | 30                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |
| SPRING 15K-A                           | 6                       | 250                 | 900                        | 500~680                         | 15000                  | 30                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |
| SPRING 18K5                            | 6                       | 250                 | 900                        | 500~680                         | 18500                  | 39                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |
| SPRING 18K5-A                          | 6                       | 250                 | 900                        | 500~680                         | 18500                  | 39                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |
| SPRING 22K                             | 6                       | 250                 | 900                        | 500~680                         | 22000                  | 45                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |
| SPRING 22K-A                           | 6                       | 250                 | 900                        | 500~680                         | 22000                  | 45                     | 0~50/60               | IP65             | 22.5        | 583            | 405   | 190    |

| 380V Triphase output series 26kW~75kW |                                     |                     |                            |                                 |                        |                        |                       |                  |             |                |       |        |
|---------------------------------------|-------------------------------------|---------------------|----------------------------|---------------------------------|------------------------|------------------------|-----------------------|------------------|-------------|----------------|-------|--------|
| Inverter Model                        | MAX Input String Number             | Start Voltage (Vdc) | MAX DC Input Voltage (Vdc) | Recomm MPPT Voltage Range (Vdc) | Rated Output Power (W) | MAX Output Current (A) | Output Frequency (Hz) | Protection Level | Weight (kg) | Pack Size (mm) |       |        |
|                                       |                                     |                     |                            |                                 |                        |                        |                       |                  |             | Length         | Width | Height |
| SPRING 26K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 26000                  | 54                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 26K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 26000                  | 54                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 30K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 30000                  | 60                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 30K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 30000                  | 60                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 37K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 37000                  | 75                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 37K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 37000                  | 75                     | 0~50/60               | IP20             | 18.5        | 467            | 260   | 220    |
| SPRING 45K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 45000                  | 91                     | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| SPRING 45K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 45000                  | 91                     | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| SPRING 55K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 55000                  | 112                    | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| SPRING 55K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 55000                  | 112                    | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| SPRING 75K                            | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 75000                  | 162                    | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| SPRING 75K-A                          | 1 (via combiner box)                | 250                 | 900                        | 500~680                         | 75000                  | 162                    | 0~50/60               | IP20             | 28          | 546            | 347   | 242    |
| JFY W1                                | Outdoor Cabinet, For Spring 26K~37K |                     |                            |                                 |                        |                        |                       | IP54             | 33          | 550            | 320   | 790    |
| JFY W1-A                              | Outdoor Cabinet, For Spring 26K~37K |                     |                            |                                 |                        |                        |                       | IP54             | 49          | 650            | 320   | 790    |
| JFY W2                                | Outdoor Cabinet, For Spring 45K~75K |                     |                            |                                 |                        |                        |                       | IP54             | 35          | 650            | 320   | 940    |
| JFY W2-A                              | Outdoor Cabinet, For Spring 45K~75K |                     |                            |                                 |                        |                        |                       | IP54             | 53          | 750            | 320   | 940    |

\*AC grid voltage range and frequency range depend on local standards.

Inverter Model:  
SPRING 2200-SLA

- ① Product Series
- ② Rated Output Power
- ③ S-Output 220V/Single phase; Null-tripphase
- ④ L-Output 220V/tripphase; Null-Output 380V/tripphase
- ⑤ A-AC Input available; Null-AC Input Unavailable