

# JFY Solar Pumping Inverter Series & Technical Parameter

## 220V Single phase output series 550W~2200W

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 550-SL	1	80	450	90~360	550	5	0~50/60	IP65	8.5	453	288	152
SPRING 550-SLA	1	80	450	90~360	550	5	0~50/60	IP65	8.5	453	288	152
SPRING 750-SL	1	80	450	90~360	750	6.3	0~50/60	IP65	8.5	453	288	152
SPRING 750-SLA	1	80	450	90~360	750	6.3	0~50/60	IP65	8.5	453	288	152
SPRING 1100-SL	1	80	450	120~360	1100	8.6	0~50/60	IP65	8.5	453	288	152
SPRING 1100-SLA	1	80	450	120~360	1100	8.6	0~50/60	IP65	8.5	453	288	152
SPRING 1500-SL	1	80	450	150~360	1500	10	0~50/60	IP65	8.5	453	288	152
SPRING 1500-SLA	1	80	450	150~360	1500	10	0~50/60	IP65	8.5	453	288	152
SPRING 2200-SL	1	80	450	200~360	2200	14	0~50/60	IP65	8.5	453	288	152
SPRING 2200-SLA	1	80	450	200~360	2200	14	0~50/60	IP65	8.5	453	288	152

## 220V Triphase output series 550W~2200W

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 550-L	1	80	450	90~360	550	4	0~50/60	IP65	8.5	453	288	152
SPRING 550-LA	1	80	450	90~360	550	4	0~50/60	IP65	8.5	453	288	152
SPRING 750-L	1	80	450	90~360	750	5	0~50/60	IP65	8.5	453	288	152
SPRING 750-LA	1	80	450	90~360	750	5	0~50/60	IP65	8.5	453	288	152
SPRING 1100-L	1	80	450	120~360	1100	6	0~50/60	IP65	8.5	453	288	152
SPRING 1100-LA	1	80	450	120~360	1100	6	0~50/60	IP65	8.5	453	288	152
SPRING 1500-L	1	80	450	150~360	1500	7	0~50/60	IP65	8.5	453	288	152
SPRING 1500-LA	1	80	450	150~360	1500	7	0~50/60	IP65	8.5	453	288	152
SPRING 2200-L	1	80	450	200~360	2200	11	0~50/60	IP65	8.5	453	288	152
SPRING 2200-LA	1	80	450	200~360	2200	11	0~50/60	IP65	8.5	453	288	152

\*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

## SPRING Series Solar Pumping Inverter



Single Phase Solar Pumping Inverter: SPRING 550W~2200W

Three Phase Solar Pumping Inverter: SPRING 550W~75KW



## 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;

### Application Scenario

Farmland irrigation



Desertification control



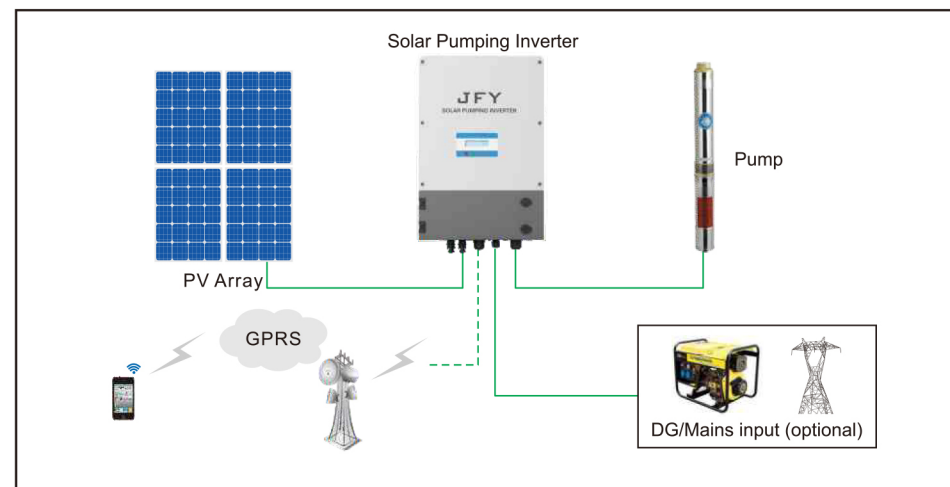
Animal drinking water



Tourism water supply



### Solar Pumping System Diagram



## 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 ② ③④⑤

- ① Product Series
- ② Rated Output Power
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