

Optional Accessories

LCD Keypad

- Can display three parameters at same time
- With parameter definitions, more easy to use
- Supports parameter backup and upload/download



LED Keypad



LCD Keypad

Output Reactor

It can increase the drive transmission distance ,suitable for long cable water pump applications



GPRS Module

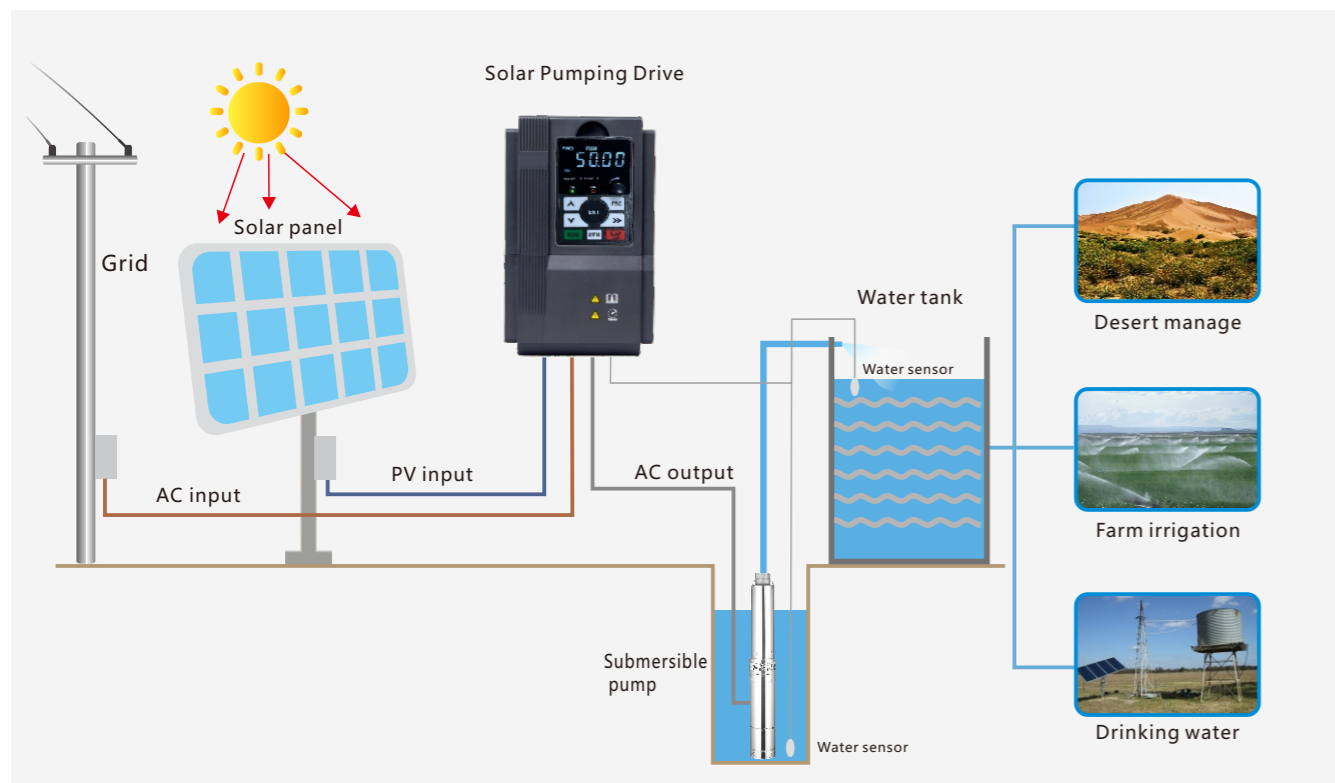
All models can be configured with GPRS module for real-time remote monitoring and operation in APP&WEB



**FR500T Series
Solar Pump Drive**



Solar Pumping System Diagram



Features

- Application**

Applicable to AM, PMSM, BLDC etc.
- Advanced MPPT algorithms**

Efficiency reaches 99%
- Hybrid power supply**

Support solar power DC/Power grid AC input, and DC/AC auto switch
- Dormancy and Wake-up function**

Inverter will entry dormancy mode and wake up automatically according to sunshine intensity
- Built-in protection**

Support over-current, over-voltage, phase loss, shortcircuit, over-temperature protection etc.
- Eco-friendly**

Operation without battery
- Large water yield**

Larger water yield under same condition
- Water level control**

Dry run protection, tank water level control
- Recording functions**

Recording for total power generated (Kw/h), waterflow(m3), and operation time(H)

Technical Specification

Model	Rated Output Current(A)	Maximum DC Input Current(A)	DC Input Voltage Range(V)	Recommended Solar Power (KW)	Recommended Solar Open Circuit Voltage(VOC)	Pump Power(kW)
FR150I-2S: DC input 70-450V DC or AC input single phase 220V; Output single phase 220VAC						
FR150I-2S-0.7B-H	7.5	10.6	70-450	1	360-430	0.75
FR150I-2S-1.5B-H	10.5	10.6	70-450	2	360-430	1.5
FR150I-2S-2.2B-H	17	21.1	70-450	2.9	360-430	2.2
FR150I-2S-4.0B-H	25	31.7	70-450	5.2	360-430	4.0
FR150I-2S-5.5B-H	32	42.2	70-450	7.2	360-430	5.5
4T : DC input 230-800V or AC input three phase 380V ; Output three phase 380VAC						
FR500T-4T-0.7B-H	2.5	10.6	230-800	1	600-750	0.75
FR500T-4T-1.5B-H	4.2	10.6	230-800	2	600-750	1.5
FR500T-4T-2.2B-H	5.5	10.6	230-800	2.9	600-750	2.2
FR500T-4T-4.0B-H	9.5	10.6	230-800	5.2	600-750	4
FR500T-4T-5.5B-H	13	21.1	230-800	7.2	600-750	5.5
FR500T-4T-7.5B-5	17	21.1	230-800	9.8	600-750	7.5
FR500T-4T-011B-H	25	31.7	230-800	14.3	600-750	11
FR500T-4T-015B-H	32	42.2	230-800	19.5	600-750	15
FR500T-4T-018B-H	37	52.8	230-800	24.1	600-750	18.5
FR500T-4T-022B-H	45	63.4	230-800	28.6	600-750	22
FR500T-4T-030B-H	60	95	230-800	39	600-750	30
FR500T-4T-037-H	75	116.2	230-800	48.1	600-750	37
FR500T-4T-045-H	91	137.2	230-800	58.5	600-750	45
FR500T-4T-055-H	112	169.0	230-800	71.5	600-750	55
FR500T-4T-075-H	150	232.3	230-800	97.5	600-750	75
FR500T-4T-090-H	176	274.6	230-800	117	600-750	90
FR500T-4T-110-H	210	337.9	230-800	143	600-750	110
FR500T-4T-132-H	253	401.3	230-800	171.6	600-750	132
FR500T-4T-160-H	304	485.8	230-800	208	600-750	160
FR500T-4T-185-H	350	559.7	230-800	240.5	600-750	185
FR500T-4T-200-H	377	612.5	230-800	260.0	600-750	200
FR500T-4T-220-H	426	675.8	230-800	286.0	600-750	220
FR500T-4T-250-H	470	760.3	230-800	325.0	600-750	250
FR500T-4T-280-H	520	855.4	230-800	364.0	600-750	280
FR500T-4T-315-H	600	961.0	230-800	409.5	600-750	315
FR500T-4T-355-H	650	1087.7	230-800	460.5	600-750	355

Note: 1. Refer to user manual for models 400kW~630kW
2. Can customize FR500T models with 900VDC input