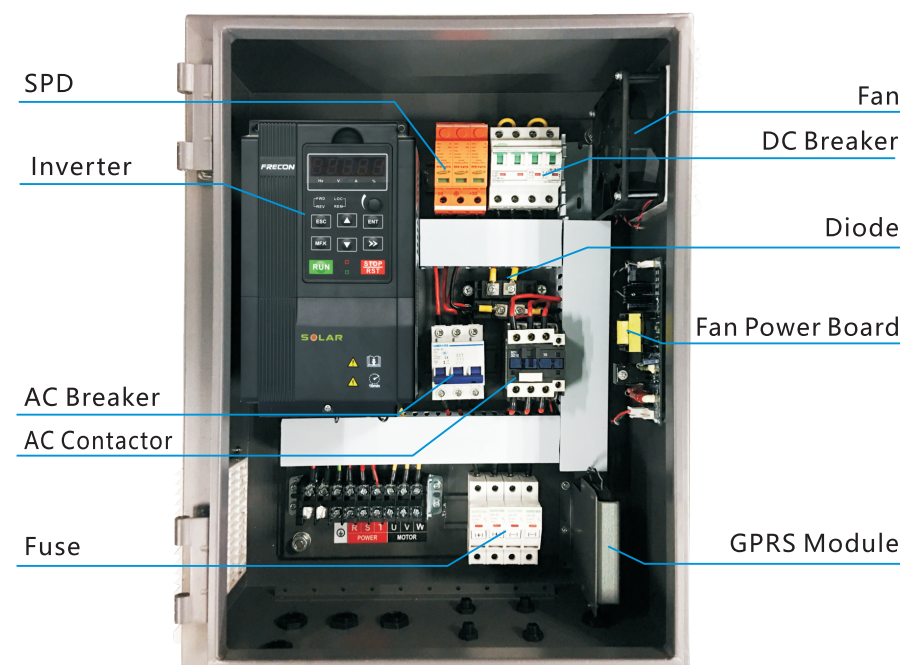


SPV IP54 Cabinet



Dimension (mm)

Model	Power (kW)	Voltage (V)	W	H	D
SPV150-2S-0.7B	0.75	220	446	608	225
SPV150-2S-1.5B	1.5	220			
SPV150-2S-2.2B	2.2	220			
SPV150-4T-0.7B	0.75	380			
SPV150-4T-1.5B	1.5	380			
SPV150-4T-2.2B	2.2	380			
SPV500-4T-4.0B	4.0	380			
SPV500-4T-5.5B	5.5	380			
SPV500-4T-7.5B	7.5	380			



PV150&500
Solar Pumping Drive



FRECON
FRECON ELECTRIC (SHENZHEN) CO.,LTD
Add : 2nd, No.3 Zhenbao Industrial Zone, No.137 Shiyan Road, Shiyan Street, Baoan District Shenzhen, China
Tel : 0755-33067999
Fax : 0755-33067186
E-Mail:overseas@frecon.com.cn
Web:www.frecon.com.cn

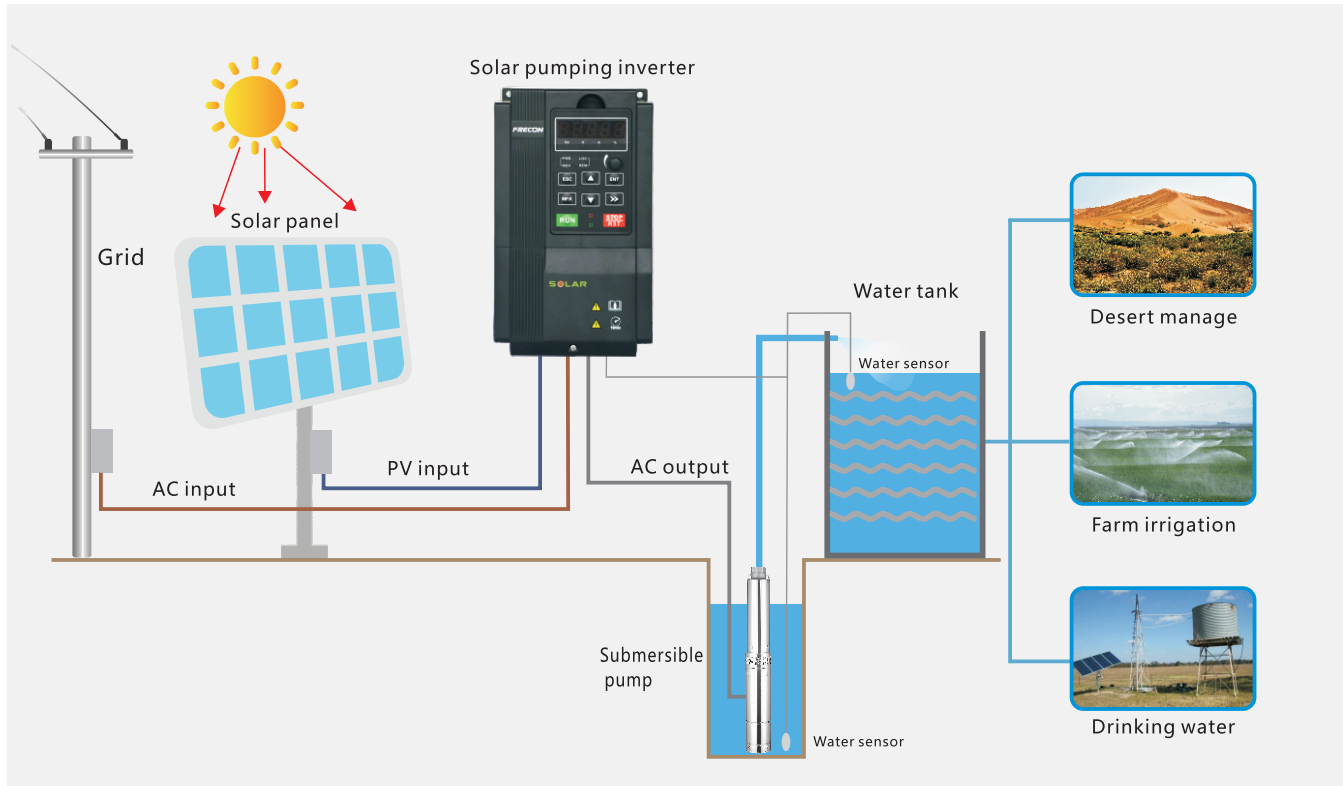


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FRECON ELECTRIC (SHENZHEN) CO.,LTD.

Solar Pumping System Diagram



PV Series

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, short circuit, over-temperature and etc. protection

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), water flow(m3), and operation time(H)

Options

DC boost module

0.4~2.2Kw models can be configured with DC boost module to reduce quantity of solar panel

GPRS module

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

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)
PV150I-2S: DC input 70-450V DC, AC input single phase 220V (-15%~20%) AC; Output single phase 220VAC						
PV150I-2S-0.4B	4.2	10.6	70-450	0.6	360-430	0.4
PV150I-2S-0.7B	7.5	10.6	70-450	1.0	360-430	0.75
PV150I-2S-1.5B	10.5	10.6	70-450	2.0	360-430	1.5
PV150I-2S-2.2B	17	21.1	70-450	2.9	360-430	2.2
PV150-1S : DC input 70-450V, AC input single phase 110-220V; Output three phase 110VAC						
PV150-1S-1.5B	7.5	10.6	70-450	0.6	170-300	0.4
PV150-1S-2.2B	9.5	10.6	70-450	1.0	170-300	0.75
PV150-2S : DC input 70-450V, AC input single phase 220V (-15%~20%) ; Output three phase 220VAC						
PV150-2S-0.4B	2.5	10.6	70-450	0.6	360-430	0.4
PV150-2S-0.7B	4.2	10.6	70-450	1.0	360-430	0.75
PV150-2S-1.5B	7.5	10.6	70-450	2.0	360-430	1.5
PV150-2S-2.2B	9.5	10.6	70-450	2.9	360-430	2.2
4T : DC input 230-800V, AC input three phase 380V (-15%~30%); Output three phase 380VAC						
PV150-4T-0.7B	2.5	10.6	230-800	1.0	600-750	0.75
PV150-4T-1.5B	4.2	10.6	230-800	2.0	600-750	1.5
PV150-4T-2.2B	5.5	10.6	230-800	2.9	600-750	2.2
PV500-4T-4.0B	9.5	10.6	230-800	5.2	600-750	4.0
PV500-4T-5.5B	13	21.1	230-800	7.2	600-750	5.5
PV500-4T-7.5B	17	21.1	230-800	9.8	600-750	7.5
PV500-4T-011B	25	31.7	230-800	14.3	600-750	11
PV500-4T-015B	32	42.2	230-800	19.5	600-750	15
PV500-4T-018B	37	52.8	230-800	24.1	600-750	18.5
PV500-4T-022B	45	63.4	230-800	28.6	600-750	22
PV500-4T-030B	60	95.0	230-800	39.0	600-750	30
PV500-4T-037	75	116.2	230-800	48.1	600-750	37
PV500-4T-045	91	137.2	230-800	58.5	600-750	45
PV500-4T-055	112	169.0	230-800	71.5	600-750	55
PV500-4T-075	150	232.3	230-800	97.5	600-750	75
PV500-4T-090	176	274.6	230-800	117.0	600-750	90
PV500-4T-110	210	337.9	230-800	143.0	600-750	110
PV500-4T-132	253	401.3	230-800	171.6	600-750	132
PV500-4T-160	304	485.8	230-800	208.0	600-750	160
PV500-4T-185	350	559.7	230-800	240.5	600-750	185
PV500-4T-200	377	612.5	230-800	260.0	600-750	200

Note: Above 200kW please refer to user manual